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Proceeding Index by Topics

Link	First author	Co-authors	Title	Country/Region	Topic category	Presentation
HP1434	Ali, Zulfiqar	Tahir Mahmood, Safdar Sidra, Zaheer A. Nasir, Ian Colbeck	Measurement of NO ₂ inside and outside various educational institutes of Lahore, Pakistan	Pakistan	A1: Indoor air chemistry	oral-poster
HP0717	Buechlein, Melissa	Kristia Parker, Glenn Morrison	Skin uptake of gas phase methamphetamine: effect of clothing	USA	A1: Indoor air chemistry	oral
HP1163	Carslaw, Nicola		A modelling study of limonene oxidation products following cleaning activities	United Kingdom	A1: Indoor air chemistry	oral
HP1172	Carslaw, Nicola	Andrew Terry, Mike Ashmore	Impacts of heatwaves on the indoor air quality of offices and their occupants: a glimpse of the future?	United Kingdom	A1: Indoor air chemistry	oral
HP0303	Chatsuvan, Thabtim	Maneerat Ongwandee	Effects of relative humidity and surface soiling on the sorption of organic pollutants to polymeric material	Thailand	A1: Indoor air chemistry	oral
HP0130	Gall, Elliott	Jeffrey A. Siegel, Richard L. Corsi	Sensitivity analysis of ozone-material modeling for porous materials in indoor environments	Singapore	A1: Indoor air chemistry	oral
HP0124	Gligorovski, Sasho	Vincent Bartolomei, Elena Gomez Alvarez, Julian Wittmer, Rafal Strekowski, Mirella Glor, Cornelius Zetzsch, Etienne Quivet, Henri Wortham	Photolysis of nitrous acid (HONO) emitted by a burning candle as a source of high levels of hydroxyl radicals (OH)	France	A1: Indoor air chemistry	oral
HP0125	Gligorovski, Sasho	Elena Gomez Alvarez, Damien Amedro, Charbel Afif, Coralie Schoemacker, Christa Fittschen, Jean-Francois Doussin, Henri Wortham	Light-induced breakdown of nitrous acid (HONO) as a source of unexpectedly high levels of hydroxyl radical (OH)	France	A1: Indoor air chemistry	oral
HP0183	Ho, Kin fai	Hsiao-Chi Chuang, Benjamin A Musa Bandowe, Steven Sai Hang Ho	The chemical properties and toxicology of fine particle (PM _{2.5}) from incense burning in Hong Kong	Hong Kong	A1: Indoor air chemistry	oral-poster
HP1006	Huang, Yu	Shun Cheng Lee, Kin Fai Ho, Jiaping Wang, Xinyi Niu	Effect of NH ₃ on the formation of indoor secondary pollutants from ozone/monoterpenes reactions	Hong Kong	A1: Indoor air chemistry	oral-poster
HP0330	Ito, Kazuhide	Eunsu Lim, Kiyoshi Yamamoto	Small test chamber experiment and modeling of photocatalytic oxidation of volatile organic compounds under indoor environmental conditions	Japan	A1: Indoor air chemistry	oral
HP1067	Kagi, Naoki	Norikazu Namiki, Kosuke Kondo, Hisae Nakagawa, Shuji Fujii	DEHP adsorption mechanisms on airborne particle surface in indoor air by chamber study	Japan	A1: Indoor air chemistry	oral
HP1309	Khurshid, Shahana	Kerry A. Kinney, Jeffrey A. Siegel	The role of ozone and terpenes on the concentration of indoor particulate reactive oxygen species	USA	A1: Indoor air chemistry	oral
HP1110	Lee, Chia-Wei	Hsin-Hung Lin, Wei-Lun Lee, Xin Gao	Indoor air chemistry of ozone / smoke reaction in the guestroom	Taiwan	A1: Indoor air chemistry	oral
HP1101	Lee, Seokyong	Hyunsoo Lee, Wonho Yang, Yoon Shin Kim, Cheolmin Lee, Sunshin Kim, Byungjun Lee, Hogi Ahn, Jung Heo, Hyungtae Kim, Junyoung Yoo, David Lee, Kyunghwan Lee	Potential exposure to nitrogen dioxide and nitrous acid in houses, Korea	Korea South	A1: Indoor air chemistry	oral-poster
HP0523	Li, Hongwan	Glenn Morrison	Adsorption capacity of methamphetamine in gypsum drywall	USA	A1: Indoor air chemistry	oral
HP0571	Lin, Chi-Chi	Yu-Lin Cheng	The study of BTEX and carbonyls emissions and ozone removal of green paints	Taiwan	A1: Indoor air chemistry	oral-poster

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HP1127	Liu, Yu-Chun	Nai-Yun Hsu, Han-Yu Shih, Huey-Jen Su	Rising formaldehyde level is associated with the temperature in Taiwan residence	Taiwan	A1: Indoor air chemistry	oral
HP0638	Mackenzie-Rae, Felix	Sandra M. Saunders, Xinming M. Wang, Tengyu Liu, Xiang Ding, Yanli Zhang, Wei Deng	Chamber study of α -phellandrene: indoor fragrant and ambient BVOC	Australia	A1: Indoor air chemistry	oral
HP0104	Mendez, Maxence	Nadège Blond, Didier Hauglustaine, Patrice Blondeau, Coralie Schoemaeker, Patrick Lebegue	Development and evaluation of inca-indoor - role of nitrogen dioxide surface reaction in the balance of nitrous acid	France	A1: Indoor air chemistry	oral-poster
HP0549	Mull, Birte	Olaf Wilke	Photocatalytical degradation of selected volatile organic compounds in emission test chambers	Germany	A1: Indoor air chemistry	oral
HP0593	Nakamura, Shunta	Hoon Kim, Shin-Ichi Tanabe	Novel method to measure emission rate of VOCs-emission of formaldehyde	Japan	A1: Indoor air chemistry	oral
HP0932	Noguchi, Miyuki	Shiori Komatsu, Haruka Osawa, Satoshi Yasuzawa, Akihiro Yamasaki	Formation of secondary fine particles and gaseous compounds through the ozonolysis of α -pinene -Effect of coexisting nitrogen monoxide (NO)	Japan	A1: Indoor air chemistry	oral
HP0202	Rim, Donghyun	William W. Nazaroff	Ozone reaction with building materials: effects of diurnal variation and environmental conditions	USA	A1: Indoor air chemistry	oral
HP0185	Salthammer, Tunga	Tobias Schripp	Estimating the distribution of organic pollutants in the indoor environment from molecular properties	Germany	A1: Indoor air chemistry	oral
HP0097	Shu, Shi	Zhen He, Glenn Morrison	Large agglomerates formed from ozone reactions with surface bound alpha-terpineol and dihydromyrcenol	USA	A1: Indoor air chemistry	oral
HP0535	Tsuji, Isamu	Hirofumi Horata, Kazuhide Ito	Experimental and numerical study for developing decomposition model of hydrogen peroxide on building materials	Japan	A1: Indoor air chemistry	oral
HP0983	Waring, Michael	J. Raymond Wells	Role of different oxidants on VOC conversion in residences and offices	USA	A1: Indoor air chemistry	oral
HP0289	Yamamoto, Kiyoshi	Eunsu Lim, Kazuhide Ito	Performance evaluation of reduction in VOC concentration by photocatalytic building materials in a real-scale chamber	Japan	A1: Indoor air chemistry	oral-poster
HP1107	Ye, Wei	Steven S. Cox, Xiaomin Zhao, Charles E. Frazier, John C. Little	Partially-irreversible sorption of formaldehyde in polymeric materials	USA	A1: Indoor air chemistry	oral
HP0985	Youssefi, Somayeh	Michael S. Waring	Transient secondary organic aerosol formation from d-limonene and α -pinene ozonolysis in indoor environments	USA	A1: Indoor air chemistry	oral

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HP0061	Chang, Chun-Chuan	Gregory F. Lane-Serff, David D. Apsley	The influence of humidity in modelling buoyancy-driven indoor ventilation	United Kingdom	A2: Indoor air physics	oral
HP1345	Heschl, Christian	Peter Klanatsky, Kiao Inthavong	Turbulence modelling for indoor airflow simulation	Austria	A2: Indoor air physics	oral-poster
HP1346	Klanatsky, Peter	Christian Heschl, Johannes Schnitzer, Helmut Jilg	Influence of the moisture storage capacity of building materials on relative humidity in indoor environments	Austria	A2: Indoor air physics	oral-poster
HP1258	Li, Yongqiang	Meng Liu, Yun Zhang	Analysis on pollutant distribution from ground source under typical architectural layouts	China	A2: Indoor air physics	oral

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HP0452	Adams, Rachel	Seema Bhangar, Wilmer Pasut, Edward Arens, John W. Taylor, Steven E. Lindow, J.A. Huffman, William W. Nazaroff, Thomas D. Bruns	Characterizing microbes in occupied spaces: environmental chamber study of human emission factors	USA	A3: Indoor air microbiology	oral
HP0434	Bhangar, Seema	Rachel I. Adams, Wilmer Pasut, J. Alex Huffman, Edward Arens, William W. Nazaroff	Human emissions of size-resolved fluorescent biological aerosol particles indoors	USA	A3: Indoor air microbiology	oral
HP1152	Caya, Alexandra	Maria King, Chloe Wooldridge, Juan P Maestre, Kerry Kinney	Characterization of the microbial community aerosolized in showers	USA	A3: Indoor air microbiology	oral
HP0616	Chatterjee, Kanistha	Eric Kettleson, Atin Adhikari, Sergey Grinshpun, Steve Vesper, Tiina Reponen	Assessing bacterial diversity in moisture-damaged buildings using pyrosequencing	USA	A3: Indoor air microbiology	oral
HP0135	Chen, Yen-Chi	Wen-Cheng Shao, Kuo-Pin Yu	A study on evaluating fungal growth and influential factors on building materials	Taiwan	A3: Indoor air microbiology	oral
HP1092	Dedesko, Sandra	Tiffanie Ramos, Jack A. Gilbert, Brent Stephens, Jeffrey A. Siegel	Using carbon dioxide and doorway beam-break sensors to determine occupancy in hospital patient rooms	Canada	A3: Indoor air microbiology	oral
HP1211	Dumala, Slawomira	Mariusz Skwarczynski, Marzenna Dudzinska	The effectiveness of the modules with UV lamps in ventilation systems	Poland	A3: Indoor air microbiology	oral-poster
HP0988	Gilbert, Jack	Kim Handley, Kristen Starkey, Jarrad Hampton Marcel, Jeffrey A. Siegel, Benjamin Kirkup, Brent Stephens	The Hospital Microbiome Project	USA	A3: Indoor air microbiology	oral
HP0134	Gong, Jia-You	Yi-Ting Huang, Kou-Pin Yu	For fungal spores, TiO ₂ nanoparticles may be a sun block than a photocatalyst	Taiwan	A3: Indoor air microbiology	oral
HP0987	Handorean, Alina	Odessa Gomez, Jane Turner, Mark T. Hernandez	Airborne biopolymer analyses to assess the performance of a modern building complex in reducing exposures to proximal wildfire pollution	USA	A3: Indoor air microbiology	oral-poster
HP1038	Hayashi, Motoya	Haruki Osawa	A field study on biological pollution and its environmental factors -annual change of mould and mite in the indoor air and on interior surface	Japan	A3: Indoor air microbiology	oral-poster
HP1380	Hospodsky, Denina	Naomichi Yamamoto, William W. Nazaroff, Jordan Peccia	Influence of occupancy and building characteristics on the source strengths of bacteria and fungi in the classroom air of primary schools	USA	A3: Indoor air microbiology	oral
HP0568	Hyvärinen, Anne	Martin Täubel, José Jacobs, Hanna Leppänen, Alicia Borrás, Esmeralda Krop, Jan-Paul Zock, Dick Heederik, Juha Pekkanen, Aino Nevalainen	A longitudinal assessment of microbial exposures in schools in relation to moisture damage and dampness	Finland	A3: Indoor air microbiology	oral-poster
HP0646	Ikeda, Koichi	Kazuya Tamura, Shoichi Nakai	Studies on microbial contamination control of the evaporative humidifier for HVAC system using electrolyzed water	Japan	A3: Indoor air microbiology	oral-poster
HP0502	Kang, Yoonkyung	Katsunori Nagano, Makoto Nakamura	The assessment of microbial contamination on energy recovery ventilation devices in the airtight-house	Japan	A3: Indoor air microbiology	oral-poster

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HP0910	Keady, Patricia	Jonathan Awerbuch, Joanne Emerson, Noah Fierer, Shelly L. Miller	Environmental, occupancy, and seasonal factors associated with the microorganisms found in single family residences	USA	A3: Indoor air microbiology	oral
HP0172	Kuo, Yu-Mei	Ting-Ho Kuo, Sheng-Hsiu Huang, Chih-Wei Lin, Wen-Jong Wu, Chih-Chieh Chen	Characterization of an inkjet aerosol generator for bioaerosol survivability study	Taiwan	A3: Indoor air microbiology	oral-poster
HP0236	Lawniczek-Walczyk, Anna	Malgorzata Golofit-Szymczak, Marcin Cyprowski, Agata Stobnicka, Rafal L. Górny	Microbial particles released from biomass in modern storage and processing rooms at power plants	Poland	A3: Indoor air microbiology	oral
HP0552	Lee, Shu-An	Yu-Kuang Wang	The effect of relative humidity during fungal growth on fungal release in the air	Taiwan	A3: Indoor air microbiology	oral-poster
HP0455	Leung, Marcus	David Wilkins, Ellen Li, Fred Kong, Patrick K.H. Lee	Using next-generation sequencing technology to determine the metagenome of the Hong Kong subway network	Hong Kong	A3: Indoor air microbiology	oral
HP1182	Levin, Hal	Richard L. Corsi	Conceptual framework for building science in indoor microbiome	USA	A3: Indoor air microbiology	oral
HP1199	Levin, Hal		Indoor microbiome: literature on building science connections	USA	A3: Indoor air microbiology	oral
HP1291	Lewinska, Anna	Jakob B. Nielsen, Ruut H. Peuhkuri, Carsten Rode, Birgitte Andersen	Novel DNA barcodes for detection, identification and tracking of stachybotrys and chaetomium species	Denmark	A3: Indoor air microbiology	oral
HP0015	Loh, Tze Ping	Chun Kiat Lee, Hong Kai Lee, Evelyn S.C. Koay, Julian W. Tang	A novel application of high-speed, real-time shadowgraph imaging: demonstrating micro-droplet ejection from pipette tips and potential for contamination in molecular diagnostic laboratories	Canada	A3: Indoor air microbiology	oral
HP0317	Luan, Yameng	Jiarong Xie, Xiao Sun, Xudong Yang, Jan Sundell	The effect of limonene and ozone reactions on fractional exhaled nitric oxide. A pilot study	China	A3: Indoor air microbiology	oral
HP0654	Luhung, Irvan	Yan Wu, William W. Nazaroff, Victor W.C. Chang	DNA-based protocol optimization for bioaerosol sampling in an urban tropical environment	Singapore	A3: Indoor air microbiology	oral
HP0738	Luongo, Julia	Shelly L. Miller	Applying ultraviolet germicidal irradiation to HVAC heat exchangers to reduce biofouling and improve heat transfer capability	USA	A3: Indoor air microbiology	oral
HP1413	Macher, Janet	Wenhao Chen, Mark J. Mendell, Kazukiyo Kumagai	Indoor dampness and mold as indicators of respiratory health risks, Part 5: comparison of a moisture meter and water activity sensor to determine the dampness of gypsum wallboard	USA	A3: Indoor air microbiology	oral
HP1420	Macher, Janet	Mark J. Mendell, Kazukiyo Kumagai, Asa Bradman, José M. Camacho, Kim G. Harley, Brenda Eskenazi	Indoor dampness and mold as indicators of respiratory health risks, Part 4: higher measured moisture in homes with qualitative evidence of dampness or mold	USA	A3: Indoor air microbiology	oral
HP1150	Maestre, Juan	Kerry A. Kinney, Paola Passalacqua, Harish Sangireddy, Alexandra Caya, Chloe Wooldridge, Marwa Zaatari	Mapping the UT-Austin microbiome: exploring the outdoor to indoor gradient	USA	A3: Indoor air microbiology	oral
HP0232	Mensah-Attipoe, Jacob	Tiina Reponen, Anna-Mariaveijalainen, Helena Rintala, Martin Täubel, Anne Hyvärinen, Anniina Salmela, Pertti Pasanen	Comparison of methods for assessing growth of fungi on building materials	Finland	A3: Indoor air microbiology	oral

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HP1244	Miller, Dana	Denina Hospodsky, Sisira Gorthala, William W. Nazaroff, Jordan Peccia	Seasonal variation of indoor bacterial aerosols in naturally ventilated urban classrooms with high outdoor particulate matter concentrations	Singapore	A3: Indoor air microbiology	oral
HP0285	Nunez, Maria		What are indoor microbial communities? An ecological approach	Norway	A3: Indoor air microbiology	oral
HP1388	O'donnell, Anne		The mould detection canine, an essential tool in the compliance of North American Guidelines with regards to mould detection	Canada	A3: Indoor air microbiology	oral-poster
HP1066	Osawa, Haruki	Motoya Hayashi	A field study on biological pollution and its environmental factors-mould and mite on the interior surface in winter and summer	Japan	A3: Indoor air microbiology	oral-poster
HP0899	Ramos, Tiffanie	Parham Azimi, Laurit Dide, Sandra Dedesko, Jack A. Gilbert, Jeffrey A. Siegel, Brent Stephens	Building science measurements in the Hospital Microbiome Project	USA	A3: Indoor air microbiology	oral
HP0974	Reiman, Marjut	Sirpa Rautiala, Liisa Kujanpää	Microbial flora related to moisture damages in buildings	Finland	A3: Indoor air microbiology	oral-poster
HP0408	Reponen, Tiina	Sampo Saari, Jacob Mensah-Attipoe, Ari Ukkonen, Anna-Maria Veijalainen, Pertti Pasanen, Jorma Keskinen	Characterization of charge in airborne fungal spores	Finland	A3: Indoor air microbiology	oral
HP1095	Siegel, Jeffrey	Mahnaz Zare, John Chase, Jennifer Fouquier, J. Gregory Caporaso, Scott Kelley,	Impact of building science parameters on microbial communities on indoor surfaces	Canada	A3: Indoor air microbiology	oral
HP1270	Spilak, Michal	Sofie M. Knudsen, Anne Mette Madsen, Barbara Kolarik, Marie Frederiksen, Lars Gunnarsen	Association between dwelling characteristics and concentrations of bacteria, endotoxin and fungi in settling dust	Denmark	A3: Indoor air microbiology	oral
HP0937	Stephens, Brent	Akram Ali, Deion Debose, Boyang Dong, Torkan Fazli	Open source building science sensors for indoor microbiology	USA	A3: Indoor air microbiology	oral
HP0292	Takehiro, Eriko	Takeshi Wakui, Mizue Sawada, Ko Tomita, Takashi Gondo, Kuniaki Mihara	Study of prompt mould evaluation method for indoor air quality	Japan	A3: Indoor air microbiology	oral
HP0589	Tsai, Ming Chien	Yen Chi Chen, Kuo-Pin Yu	The effect of support and heat treatment temperature on the antifungal efficiency of nano-silver	Taiwan	A3: Indoor air microbiology	oral-poster
HP0658	Wu, Yan	Irvan Luhung, Qingliang Cao, William W. Nazaroff, Victor W.C. Chang	Characterizing the indoor microbiome in an office in Singapore before and after cleaning to address a mold problem	Singapore	A3: Indoor air microbiology	oral
HP0453	Xie, Jiarong	Xiao Sun, Yameng Luan, Xudong Yang, Jan Sundell	Exhaled nitric oxide and acute PM2.5 exposure in healthy adults	China	A3: Indoor air microbiology	oral
HP1091	Zare, Mahnaz	Jeffrey A. Siegel	Equilibrium relative humidity measurements on common office surfaces	Canada	A3: Indoor air microbiology	oral
HP0359	Zhang, Yun	Junjie Liu	The effect of air velocity, temperature and relative humidity on the microorganism growth on air filtration media	China	A3: Indoor air microbiology	oral

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HP1384	Awamura, Yuta	Toshio Yamanaka, Hisashi Kotani, Yoshihisa Momoi, Kazunobu Sagara	Prediction of deodorant effect and change in particle size distribution of deodorant water mist sprayed downward by two-fluid nozzle	Japan	A4: Indoor aerodynamics	oral
HP0127	Licina, Dusan	Arsen Melikov, Chandra Sekhar, Kwok Wai Tham	Interaction of convective flow generated by human body with room ventilation flow: impact on transport of pollution to the breathing zone	Denmark	A4: Indoor aerodynamics	oral

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HP0579	Bi, Chenyang	Ying Xu	The influence of temperature, ventilation and humidity on the fate and transport of indoor phthalates	USA	A5: Indoor transport phenomena	oral-poster
HP0469	Cherniakov, Evgeny	Sauchung Fu, Ginnam S.Z.E. To, Christopher Y.H. Chao	A numerical investigation of effects of a moving operator on airborne contamination removal in a cleanroom	Hong Kong	A5: Indoor transport phenomena	oral
HP1263	Gunnarsen, Lars	Thomas Witterseh, Kathrine Birkemark Olesen	Validation of simple method for determination of penetration of PCB in concrete	Denmark	A5: Indoor transport phenomena	oral-poster
HP0695	Hathway, Abigail	Ilias Papakonstantis, Adorkor Bruce Konuah, Wernher Brevis	Towards understanding the role of human activity on indoor air flows: a case study of door motion based on both field and experimental activities	United Kingdom	A5: Indoor transport phenomena	oral
HP1389	Hsiao, Ta-Chih	Zi-Hao Lin	Effect of dynamic shape factor on particle decay rate in test chamber	Taiwan	A5: Indoor transport phenomena	oral
HP0605	Khan, Amirul	Nicolas Delbosc, Catherine J. Noakes, Jon Summers	A lattice Boltzmann based real-time Computational Fluid Dynamics (CFD) simulation of movement-induced indoor contaminant transport	United Kingdom	A5: Indoor transport phenomena	oral
HP1168	Kwon, Soon-Bark	Minhae Kim, Sangwon Ko, Youngmin Cho, Duck-Shin Park, Wootae Jeong, Jaeyoun Jang	Distribution profile of airborne and surface microorganisms for a selected patient care area in a hospital	Korea South	A5: Indoor transport phenomena	oral
HP0817	Leung, Wing Tong	Sauchung Fu, Christopher Y.H. Chao	Detachment of droplets from surfaces due to turbulent flow	Hong Kong	A5: Indoor transport phenomena	oral
HP0536	Liang, Yirui	Ying Xu	Indoor residential fate model of phthalate plasticizers	USA	A5: Indoor transport phenomena	oral
HP1117	Liu, Cong	Barbara Kolarik, Lars Gunnarsen, Yinping Zhang	C-depth method to determine diffusion coefficient and partition coefficient of PCB in building materials	China	A5: Indoor transport phenomena	oral
HP0707	Liu, Shichao	Guangyu Cao, Brandon E. Boor, Atila Novoselac	A protected occupied zone ventilation system to prevent the transmission of coughed particles	USA	A5: Indoor transport phenomena	oral
HP0941	Mu, Yutong	Li Chen, Wenquan Tao, Yaling He	Coupling FVM and lattice Boltzmann method for pore scale investigation on volatile organic compounds emission process	China	A5: Indoor transport phenomena	oral
HP0371	Pan, Jiechen	Guoqing He	Drying of paint and volatile residuals in the film	China	A5: Indoor transport phenomena	oral-poster
HP1140	Poon, Carman	Alvin C.K. Lai	Size-resolved aerosol transport in a controlled two-zone environment	Hong Kong	A5: Indoor transport phenomena	oral
HP0159	Saber, Esmail	Matthias Mast, Kwok Wai Tham, Hansjürg Leibundgut	Numerical modelling of an indoor space conditioned with low exergy cooling technologies in the tropics	Singapore	A5: Indoor transport phenomena	oral
HP0394	Sagheby, S. Hossein	Martin Kriegel	Numerical study of the dispersion of contaminants from a "cold" source in a low-velocity ventilated room	Germany	A5: Indoor transport phenomena	oral
HP1004	Shinohara, Naohide	Mayumi Uchiyama, Hirohumi Tanaka	Development of novel method to obtain the dermal exposure levels to SVOCs using PFS	Japan	A5: Indoor transport phenomena	oral-poster

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HP0986	Wang, Chunyi	Michael S. Waring	Particle generation in HVAC systems due to ozone/terpene reactions	USA	A5: Indoor transport phenomena	oral
HP0800	Wei, Jianjian	Yuguo Li	Evolution of the vortex ring and its role in particle transport	Hong Kong	A5: Indoor transport phenomena	oral-poster
HP0511	Wood, Richard	Duncan J. Borman, Catherine J. Noakes, Andrew W. Woods	Contaminant transport in a hospital corridor using a water-bath model	United Kingdom	A5: Indoor transport phenomena	oral
HP0179	Wu, Yan	Jianlei Niu, Naiping Gao	Numerical investigation of required mechanical exhaust rate to avoid expiration from open windows caused by buoyancy	China	A5: Indoor transport phenomena	oral
HP0581	Yan, Yihuan	Xiangdong Li, Jiyuan Tu	Numerical study of passenger thermal effects on the transport characteristics of exhaled droplets in an airliner cabin	Australia	A5: Indoor transport phenomena	oral
HP0244	Yang, Shen	Weihui Liang, Xudong Yang	Impact of several factors on indoor pollutant distribution uniformity in a single room with mechanical and isothermal ventilation	China	A5: Indoor transport phenomena	oral

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HP0073	Azuma, Kenichi	Koichi Ikeda, Naoki Kagi, U Yanagi, Tomoko Shimodaira, Haruki Osawa	Prevalence of and risk factors for nonspecific building-related symptoms in employees working in office buildings: relationships among indoor air quality, work environment, and occupational stress in summer and winter	Japan	A6: Health and indoor air epidemiology	oral
HP0445	Bhattacharjee, Suchismita	Mahfouz Tarek, Somik Ghosh	Association of indoor environmental quality of student residence halls with perceived health symptoms of the occupants	USA	A6: Health and indoor air epidemiology	oral-poster
HP1230	Chen, Nai-Tzu	Hsiu-Hao Liang, Yi-Ho Li, Huey-Jen Su	Associations of total and culturable fungi indoors with 8-OHdG, allostatic load score, and SBS	Taiwan	A6: Health and indoor air epidemiology	oral-poster
HP1365	Chuang, Hsiao Chi	Hua Wei Chen, Chih Ming Ma, Kai Jen Chuang	Effects of subway particles on cardiovascular health among commuters in Taipei, Taiwan	Taiwan	A6: Health and indoor air epidemiology	oral
HP1379	Dannemiller, Karen	Mark J. Mendell, Asa Bradman, Brenda Eskenazi, Janneane F. Gent, Brian P. Leaderer, Jordan Peccia	Next generation DNA sequencing of indoor fungi to determine associations between fungal communities and asthma development and severity	USA	A6: Health and indoor air epidemiology	oral
HP0847	Dijkstra, Nienke Elske	Yvonne De Kluizenaar, Serena Fossati, Philomena M. Bluysen, Corinne Mandin, Victor G. Mihucz, Peder Wolkoff, Otto Hänninen, Eduardo De Oliveira Fernandes, Gabriela V. Silva, Paolo Carrer, John Bartzis	Modern office related determinants of dry eye complaints – the officair study	Netherlands	A6: Health and indoor air epidemiology	oral
HP1099	Elholm, Grethe	Jakob Bønløkke, Vivi Schlünssen, Steffen Loft, Peder Wolkoff, Torben Sigsgaard	XDOZ; controlled human exposure to indoor air dust and ozone	Denmark	A6: Health and indoor air epidemiology	oral
HP0999	Fan, Guangtao	Jingchao Xie, Hiroshi Yoshino, U Yanagi, Kennyiqi Hasegawa, Jiaping Liu	Study on the association between residential environmental quality and children's health in Beijing	China	A6: Health and indoor air epidemiology	oral
HP0735	Fung, Cecilia	Ignatius T.S. Yu, Albert M. Li, William B. Goggins	Wheeze during the first 18 months of life: a prospective cohort study to explore the associations with indoor nitrogen dioxide, formaldehyde and family history of asthma	Hong Kong	A6: Health and indoor air epidemiology	oral
HP1310	Grimes, Carl	Kevin Kennedy	"Dampness" definition and research questions advanced by practitioner input	USA	A6: Health and indoor air epidemiology	oral
HP1217	Hägerhed-Engman, Linda	Malin Knutz, Huan Shu, Carl-Gustaf Bornehag	Early life exposure of self-reported mold odor is associated with asthma in children 10 years later	Sweden	A6: Health and indoor air epidemiology	oral
HP0806	Hasegawa, Kenichi	Hiroshi Yoshino, U Yanagi, Toru Otake, Kenichi Azuma, Haruki Osawa, Naoki Kagi, Naohide Shinohara, Asako Hasegawa	Indoor environmental problems and occupants' health in water-damaged homes due to tsunami disaster	Japan	A6: Health and indoor air epidemiology	oral
HP0829	Heederik, Dirk	José Jacobs, Alicia Borràs-Santos, Esmeralda Krop, Martin Täubel, Hanna Leppänen, Ulla Haverinen-Shaughnessy, Juha Pekkanen, Anne Hyvärinen, Gert Doekes, Jan-Paul Zock	Dampness, bacterial and fungal components in dust in primary schools and respiratory health in school children across Europe	Netherlands	A6: Health and indoor air epidemiology	oral
HP0777	Herbarth, Olf	Philipp Opitz, Silke Matysik	Long-term trend of indoor VOCs – changes in composition and consequences for human health risk assessment	Germany	A6: Health and indoor air epidemiology	oral

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HP0962	Hong, Seung-Cheol	Gi-Young Kim, Yun-Jin Lee	Investigation on the levels of exposure to radio frequency electromagnetic fields at youth's major living spaces	Korea South	A6: Health and indoor air epidemiology	oral-poster
HP0307	Hou, Jing	Yuexia Sun, Zhigang Wang, Xiangrui Kong, Jing Guo, Yanmei Pang, Panfeng Deng, Yuan Gao, Jan Sundell	Differences in urban and rural home environment and the association with children's health in China	China	A6: Health and indoor air epidemiology	oral
HP1080	Huang, Chen	Wei Liu, Zhijunzou, Li Shen, Xueyingwang, Jan Sundell	Home environment, dwelling characteristics and pneumonia among Shanghai preschool children: a cross-sectional study	China	A6: Health and indoor air epidemiology	oral
HP0128	Hurrass, Julia	Regine Szewzyk, Christiane Baschien, Thomas Gabrio, Guido Fischer, Lothar Grün, Birger Heinzow, Thomas Hummel, Jana Panašková, Caroline E.W. Herr, Gerhard A. Wiesmüller	Risk of olfactory effects and impairment of well-being resulting from mould exposure - results of a workshop of the annual conference of the German society of hygiene, environmental medicine and preventive medicine held in Freiburg, Germany, in 2012	Germany	A6: Health and indoor air epidemiology	oral
HP0993	Jinno, Hideto	Toshiko Tanaka-Kagawa, Yoko Okamoto, Maiko Tahara, Yoshiaki Ikarashi	Japanese national survey of volatile organic compounds in residential air for the revision of the indoor air quality guidelines	Japan	A6: Health and indoor air epidemiology	oral-poster
HP1151	Kaul, Nivedita	A.B. Gupta, Mukesh Khare, Gaurav Singh, Jyotirmay Mathur, Sumit Khandelwal	Indoor air quality in different microenvironments and its impact on human respiratory health- a case study	India	A6: Health and Indoor air epidemiology	oral
HP1133	Kim, Jinman	In-Sick Nam, Hyun-Jun Yun, Jinho Yang, Hyeon-Ju Oh, Jong-Ryeul Sohn	The associated with allergy disease of children and concentration of bacteria in the daycare centers	Korea South	A6: Health and indoor air epidemiology	oral-poster
HP1102	Kim, Sunshin	Hyunsoo Lee, Wonho Yang, Kuck-Hyeun Woo, Seong-Yong Yoon, Seokyong Lee, Hogi Ahn, Sungyong Choi	Exposure assessment to hydrofluoric acid by chemical accident in Gumi city, Korea - evacuation or staying at home	Korea South	A6: Health and indoor air epidemiology	oral-poster
HP0082	King, Marco-Felipe	Catherine J. Noakes, P. Andrew Sleight	The role of surfaces in the transmission of bioaerosols from source to patient in hospital single and two-bed rooms	United Kingdom	A6: Health and indoor air epidemiology	oral
HP0252	Kjeldsen, Birthe	Jørn Toftum, Pawel Wargocki, Henriette R. Menå, Eva M.N. Hansen, Geo Clausen	Classroom ventilation type and pupil learning	Denmark	A6: Health and indoor air epidemiology	oral
HP0231	Kong, Xiangrui	Yufeng Zhang, Yuexia Sun, Yanmei Pang, Jing Hou, Panfeng Deng, Jing Guo, Yuan Gao, Ruiling Liu, Jan Sundell	Report from an ongoing epidemiological investigation on the association between children's health and home environmental factors in Tianjin, China	China	A6: Health and indoor air epidemiology	oral-poster
HP0642	Lao, Xiangqian	Arthur Pui-Sang Lau, Adrien Kam-Cheuk Chan, Kin-Fai Ho, Claudie Chiu-Yi Wong, Ignatius Tak-Sun Yu	Prospective cohort study on health effects of school environmental air quality in Hong Kong school children	China	A6: Health and indoor air epidemiology	oral-poster
HP1225	Lee, Seokyong	Byungjun Lee, Hyunsoo Lee, Jung Heo, Sunshin Kim, Wonho Yang, Jungkwan Seo, Hyojung Yoon	Exposure factors of Korean children - focusing on time-activity pattern and inhalation rate	Korea South	A6: Health and indoor air epidemiology	oral-poster
HP0918	Liu, Wei	Chen Huang, Li Shen, Zhijun Zou, Xueying Wang, Jan Sundell	Associations between asthma, related symptoms and ventilation in the sleeping room during night among Shanghai preschool children	China	A6: Health and indoor air epidemiology	oral

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HP0705	Madureira, Joana	Inês Paciência, Elisabete Ramos, Cristiana Pereira, João P. Teixeira, Gabriela Ventura, Eduardo O. Fernandes, Henrique Barros	Adverse respiratory effects of indoor air pollution	Portugal	A6: Health and indoor air epidemiology	oral
HP1255	Mahera, Shaily	Sanyogita Manu	Evaluation of mould growth risk wall assemblies with different hygrothermal properties	India	A6: Health and indoor air epidemiology	oral-poster
HP0882	Mandal, Adhirath	Anubha Mandal, Vijay Gupta, Lalit Kumar, Yajur Kochhar	Effect of indoor air on the health of restaurant workers- a case study	India	A6: Health and indoor air epidemiology	oral-poster
HP1020	Matilainen, Markus	Oluyemi Toyinbo, Mari Turunen, Tuula Putus, Richard Shaughnessy, Ulla Haverinen-Shaughnessy	An analysis of questionnaire data on indoor environmental quality in schools and student health	Finland	A6: Health and indoor air epidemiology	oral
HP1030	Mendell, Mark		Indoor dampness and mold as indicators of respiratory health risks, part 2: a brief update on the epidemiologic evidence	USA	A6: Health and indoor air epidemiology	oral
HP1033	Mendell, Mark	Janet M. Macher, Kazukiyo Kumagai	Indoor dampness and mold as indicators of respiratory health risks, part 3: a synthesis of published data on indoor measured moisture and health	USA	A6: Health and indoor air epidemiology	oral
HP1411	Mendell, Mark	Janet M. Macher, Wenhao Chen, Kazukiyo Kumagai	Indoor Dampness and Mold as Indicators of respiratory health risks, Part 1: developing evidence to support public health policy on dampness and mold	USA	A6: Health and indoor air epidemiology	oral
HP0191	Mendes, Ana	Livia Aguiar, Cristiana Pereira, Paula Neves, Susana Silva, Diana Mendes, Rossana Moroni, Stefano Bonassi, João Paulo Teixeira	Health and indoor air quality in elderly care centers in Portugal	Portugal	A6: Health and indoor air epidemiology	oral-poster
HP0645	Mori, Ikue	Kazuyo Tsuzuki	Renovation of houses with well-insulated windows - effect on physical activity of the elderly	Japan	A6: Health and indoor air epidemiology	oral-poster
HP0404	Norbäck, Dan	Erik Lampa, Karin Engvall	Asthma, allergy and eczema among adults in multifamily houses in Stockholm (3HE-study)-associations with energy use, building characteristics, maintenance and home environment factors	Sweden	A6: Health and indoor air epidemiology	oral
HP0878	Nygaard, Linette	Simon C. Uth, Zhecho D. Bolashikov, Arsen K. Melikov	The effects of radiant cooling versus convective cooling on human EYE tear film stability and blinking rate	Denmark	A6: Health and indoor air epidemiology	oral-poster
HP0672	Ramos, Carla	Susana M Almeida, Hubert Th Wolterbeek	Estimating the exposure of pollutants during indoor physical activity	Portugal	A6: Health and indoor air epidemiology	oral-poster
HP0020	Sadrizadeh, Sasan	Sture K.M. Holmberg	Traffic patterns effects on surgical site infection in the operating room	Sweden	A6: Health and indoor air epidemiology	oral
HP0034	Sadrizadeh, Sasan	Sture Holmberg	Effect of a mobile LAF screen on particle distribution in an operating room	Sweden	A6: Health and indoor air epidemiology	oral
HP1113	Shen, Li	Chen Huang, Wei Liu, Zhijun Zou, Xueying Wang, Jan Sundell	Associations of allergic diseases and formaldehyde in bedroom air among preschool children in Shanghai	China	A6: Health and indoor air epidemiology	oral

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HP1128	Shih, Han-Yu	Nai-Yun Hsu, Hsin-Wen Chang, Pei-Yu Chen, Pamela-Joy Wei, Huey-Jen Su	The profile of children's respiratory symptoms before and after the flooding event	Taiwan	A6: Health and indoor air epidemiology	oral
HP1007	Tahara, Maiko	Toshiko Tanaka-Kagawa, Yoko Okamoto, Kaori Mayumi, Yoko Kawahara, Yoshiaki Ikarashi, Hideto Jinno	Random sampling survey of indoor air total volatile organic compounds in Kanto region, Japan	Japan	A6: Health and indoor air epidemiology	oral-poster
HP0526	Takaoka, Motoko	Kyoko Suzuki, Dan Norbäck	Sick building syndrome among junior high school students in Japan in relation to the home and school environment	Japan	A6: Health and indoor air epidemiology	oral
HP0356	Takayama, Naoto	Toshiharu Ikaga, Shingo Hori, Masaru Suzuki, Wataru Umishio	Bathing and indoor thermal environment: modeling body temperature and preventing heat stroke	Japan	A6: Health and indoor air epidemiology	oral-poster
HP0961	Tanaka-Kagawa, Toshiko	Susumu Ohkawara, Yoko Okamoto, Kaori Mayumi, Maiko Tahara, Yoko Kawahara, Yoshiaki Ikarashi, Hideto Jinno	Activation of nociceptive transient receptor potential channels by antimicrobial agents/isothiazolinones in consumer products	Japan	A6: Health and indoor air epidemiology	oral-poster
HP0222	Taubel, Martin	Caroline Shorter, Nevil Pierse, Anne Hyvärinen, Julian Crane	Quantitative PCR determination of microbes in relation to observed measures of mould in homes	Finland	A6: Health and indoor air epidemiology	oral
HP1370	Terschüren, Claudia	Odile C.L. Mekel, Nadine Steckling, Reinhard Samson, Myriam Tobollik, Claudia Hornberg	Environmental burden of disease due to second-hand smoke in Germany: results of the VegAS project	Germany	A6: Health and indoor air epidemiology	oral
HP0402	Tham, Kwok W	Moshood O. Fadeyi, Wei Y. Wu, Henry C. Willem, Gerald Koh	Effect of ozone initiated chemistry on physiological responses of tropically acclimatized subjects in a simulated office environment	Singapore	A6: Health and indoor air epidemiology	oral
HP0835	Thiault, Guénaël	Eddie Faure, Loïc Paillat, Ghislaine Goupil, Sophie Riffet, Claudie Delaunay	Investigations highlighting carbon monoxide	France	A6: Health and indoor air epidemiology	oral-poster
HP0539	Umishio, Wataru	Toshiharu Ikaga, Kuniaki Otsuka, Shintaro Ando	Impacts of indoor thermal environment and personal factors on home blood pressure in winter	Japan	A6: Health and indoor air epidemiology	oral
HP0563	Wang, Juan	Karin Engvall, Greta Smedje, Dan Norbäck	Rhinitis, asthma and airway infections among adults in relation to the home environment in multifamily buildings in Sweden	Sweden	A6: Health and indoor air epidemiology	oral
HP0093	Wang, Lifang	Fang Qu, Yinping Zhang, Jan Sundell	Housing characteristics and home environment in relation to allergic rhinitis among preschool children in Beijing, China: a cross-sectional study	China	A6: Health and indoor air epidemiology	oral
HP0965	Wang, Xueying	Chen Huang, Wei Liu, Zhijun Zou, Li Shen, Jan Sundell	Associations between dwelling characteristics, home environment and allergic rhinitis among preschool children in Shanghai	China	A6: Health and indoor air epidemiology	oral
HP0044	Wiesmüller, Gerhard	Regine Szewzyk, Christiane Baschien, Thomas Gabrio, Guido Fischer, Birger Heinzow, Monika Raulf-Heimsoth, Caroline Ew Herr	Risk of toxic reactions to mould exposure - results of a workshop of the annual conference of the German society of hygiene, environmental medicine and preventive medicine held in Munich, Germany in 2011	Germany	A6: Health and indoor air epidemiology	oral
HP0566	Wong, Claudie	Xiang-Qian Lao, Helen H.L. Chang, Ignatius T.S. Yu	Exposure to household cleaning products and respiratory health effects in young school children	Hong Kong	A6: Health and indoor air epidemiology	oral
HP0547	Xie, Shao-Hua	Ignatius Tak-Sun Yu, Lap Ah Tse, Joseph Siu Kie Au, June Sze Man Lau	Domestic incense burning and nasopharyngeal carcinoma in Chinese: who are more likely to be the victims?	Hong Kong	A6: Health and indoor air epidemiology	oral

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HP0448	Yamaguchi, Rika	Natsuko Nagasawa, Ryuichi Kato, Hitomi Tsutsumi, Yukiko Matsuoka, Takashi Akimoto, Shin-Ichi Tanabe	The importance of non-energy benefits in living environments for promoting stress-related health	Japan	A6: Health and indoor air epidemiology	oral
HP0790	Zaitseva, Nina	Olga U. Ustinova, Konstantin P. Luzhetsky, Olga A. Maklakova	Health status characteristics of children living in the conditions of formaldehyde indoor air pollution	Russia	A6: Health and indoor air epidemiology	oral-poster
HP0049	Zhang, Xin	Fan Li, Li Zhang, Zhuohui Zhao, Gunilla Wieslander, Dan Norback	Sick building syndrome among pupils in relation to school environment in Taiyuan, China	China	A6: Health and indoor air epidemiology	oral-poster
HP0067	Zhang, Yan	Yu Gao, Rong Shi, Xiaojin Wang, Michihiro Kamijima, Kiyoshi Sakai, Ying Tian	Household pesticide exposure and the risk of childhood acute leukemia in Shanghai, China	China	A6: Health and indoor air epidemiology	oral-poster
HP0647	Zhao, Zhuohui	Dan Norback, Weimin Song, Hongwei Guo, Jinzhuo Zhao, Haidong Kan	Residential risk factors for atopic dermatitis in 3- to 6-year-old children: a cross-sectional study in Shanghai, China	China	A6: Health and indoor air epidemiology	oral-poster
HP0774	Zock, Jan-Paul	Alicia Borràs-Santos, José Jacobs, Esmeralda Krop, Kati Huttunen, Maija-Riitta Hirvonen, Martin Täubel, Dick Heederik, Juha Pekkanen, Anne Hyvärinen	Moisture damage in primary school buildings and respiratory health effects in teachers: the HITEA longitudinal study	Spain	A6: Health and indoor air epidemiology	oral

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HP1414	Arens, Edward	Li Huang, Tyler Hoyt, Xin Zhou, Hui Zhang, Stefano Schiavon	Modelling the comfort effects of short-wave solar radiation indoors	China	A7: Thermal comfort	oral
HP0513	Bolineni, Sandeep	Sebastian Stratbücker, Christoph Van Treeck	Indoor flow response modelling of convective heat transfer coefficients on human manikin	Germany	A7: Thermal comfort	oral
HP0515	Bolineni, Sandeep	Sebastian Stratbücker, Soheil Ziaee, Christoph Van Treeck	Coupling strategy for transient simulation of human thermoregulation and CFD indoor airflow models	Germany	A7: Thermal comfort	oral
HP0235	Bryn, Ida	Søren Gedsø, Arnkell Petersen	Facade thermal comfort documentation and performance criteria	Norway	A7: Thermal comfort	oral-poster
HP0555	Bugáň, Jozef	Dušan Petráš	Experimental measurements of thermal comfort in two office buildings with low temperature heating and high temperature cooling systems	Slovakia	A7: Thermal comfort	oral-poster
HP0473	Cao, Bin	Min Li, Gang Liu, Yingxin Zhu	Thermal comfort in an open space of an office building: a field study in subtropical region	China	A7: Thermal comfort	oral
HP0140	Chang, Shih-Yin	Chen-Peng Chen	Subjective perception and theroregulation in response to solar radiation and thermal transient developed from loss of solar radiant heat	Taiwan	A7: Thermal comfort	oral
HP0157	Chen, Chen-Peng	Shun-Hua Ho, Hui-Chen Wei, Yi-Chun Lin	Change in thermal sensation and thermal comfort as a result of using N95 filtering facepiece respirators under influence of temperature	Taiwan	A7: Thermal comfort	oral
HP0162	Chen, Fujiang	Jinliang Wang, Jianfang Chen, Li Tao, Qiang Guo, Weidong Sun, Pengcheng Zhao	Numerical simulation on air dispersion of fabric air distribution system in slot-penetration mode	China	A7: Thermal comfort	oral
HP1063	Chen, Jianbo	Lina Guo , Minglu Qu, Jimiao Pan	An experimental study on indoor thermal comfort of the coupled capillary radiation with household replacement fresh air system	China	A7: Thermal comfort	oral
HP0291	Cheong, Kok Wai David	Xin Yi Ng	Thermal comfort of sleeping human subject in the tropics: a pilot study	Singapore	A7: Thermal comfort	oral
HP1281	Cholewa, Tomasz	Alicja Siuta-Olcha, Marzenna R. Dudzińska	The analysis of thermal comfort in a room with radiant floor with different finishing materials of the floor surface	Poland	A7: Thermal comfort	oral-poster
HP1134	Cui, Weilin	Qin Ouyang, Yingxin Zhu	Effect of air pressure on human thermal sensation and physiological parameters	China	A7: Thermal comfort	oral
HP0860	Deng, Qihong	Jinping Zhao	Heat stroke due to indoor environmental factors: modeling and prediction	China	A7: Thermal comfort	oral-poster
HP0809	Du, Xiuyuan	Baizhan Li, Hong Liu, Yu Yang, Jie Yang	Improvement of different local air exposures on human thermal sensation in neutral-hot environment	China	A7: Thermal comfort	oral
HP0493	Fišer, Jan		Impact of variance of clothing thermal resistance on comfort zone diagram modification	Czech Republic	A7: Thermal comfort	oral-poster
HP0730	Fu, Ming	Tiefeng Yu, Hui Zhang, Wenguo Weng, Hongyong Yuan	Heat and moisture transfer through clothing for a person with contact surface	China	A7: Thermal comfort	oral
HP0418	Gauthier, Stephanie	David T. Shipworth	Generating empirical probabilities of metabolic rate and clothing insulation values in field studies using wearable sensors	United Kingdom	A7: Thermal comfort	oral

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HP1109	Hamidi, Nafiseh	Dominique Hes	Non-uniform environments - evaluation of personal ventilation performance in an open plan office building in warm and humid climate	Australia	A7: Thermal comfort	oral
HP0753	Han, Jieun	Yoorim Choi, Minjung Kim, Yongmin Kim, Chungyoon Chun	Effect of temperature on occupants' anger	Korea South	A7: Thermal comfort	oral-poster
HP0631	Hellwig, Runa	Sabine Brasche, Hansjürgen Gebhardt, Gunnar Grün, Kersten Bux, Wolfgang Bischof	Considering training effects in performance tests - the case of the D2-attention test	Germany	A7: Thermal comfort	oral
HP0604	Hirose, Ayaka	Hiroataka Kubo, Manami Shinohara, Shin-Ichi Kagiya, Noboru Oohira, Yuki Shimanuki, Shin-Ichi Tanabe	Effects of unsteady thermal stimulus from contact surface on thermal comfort	Japan	A7: Thermal comfort	oral
HP1175	Hong, Xiaowei	Xiaohan Du, Dong Chen, Yufeng Zhang	Thermal comfort survey of homes in Guangzhou	China	A7: Thermal comfort	oral-poster
HP0113	Honnekeri, Anoop	Margaret C. Pigman, Hui Zhang, Edward Arens, Marc Fountain, Yongchao Zhai, Spencer Dutton	Use of adaptive actions and thermal comfort in a naturally ventilated office	USA	A7: Thermal comfort	oral
HP0353	Ishii, Jin	Shinichi Watanabe	Field survey on thermal environment in toilet in Japanese house during summer	Japan	A7: Thermal comfort	oral-poster
HP0726	Ishii, Yoshiaki	Shin-Ichi Tanabe, Tomoji Kitahara, Fumito Yamagata, Kengo Tatara	Thermal comfort of radiant ceiling panel cooling system installed in an office in Japan	Japan	A7: Thermal comfort	oral
HP0414	Jin, Quan	Lin Duanmu	Thermal sensation and skin temperature during step-change in non-uniform indoor environment	Finland	A7: Thermal comfort	oral
HP0035	Kabanshi, Alan	Marijke Keus, Hans Wigö, Robert Ljung, Patrik Sörqvist	The effect of heat stress on writing performance in a classroom	Sweden	A7: Thermal comfort	oral-poster
HP1450	Kabanshi, Alan	Hans Wigö, Robert Ljung, Patrick Sörqvist	Perception of intermittent air velocities in classrooms	Sweden	A7: Thermal comfort	oral-poster
HP0186	Karimipanah, Taghi	Ulf Larsson, Mathias Cehlin	Investigation of flow pattern for a confluent-jets system on a workbench of an industrial space	Sweden	A7: Thermal comfort	oral
HP0681	Karlsen, Line	Grigori Grozman, Per Heiselberg, Ida Bryn	Operative temperature and thermal comfort in the sun - implementation and validation of a model for IDA ICE	Norway	A7: Thermal comfort	oral
HP0592	Kato, Shun	Shin-Ichi Tanabe, Daiki Kawamata, Ken Unno, Junta Nakano, Kiyoshi Sakamoto, Shiro Kase, Hiroshi Oishi, Akihisa Takahashi	Evaluation of natural ventilation performance and thermal comfort in railway station	Japan	A7: Thermal comfort	oral
HP1126	Kim, Jungsoo	Richard De Dear	The effects of contextual differences on office workers' perception of indoor environment	Australia	A7: Thermal comfort	oral
HP0277	Kindangen, Jeffrey	Judy O. Waani, Amanda S. Sembel, Linda Tondobala	Investigation of thermal comfort in a passive and low energy classroom building. From gender's point of view	Indonesia	A7: Thermal comfort	oral-poster
HP0828	Kitazawa, Sachie	Rune Korsholm Andersen, Pawel Wargocki, Jakub Kolarik, Marcel Schweiker	Seasonal differences in human responses to increasing temperatures	Japan	A7: Thermal comfort	oral
HP1054	Law, Tim		Radical methodology: the design and commercialisation nexus in research innovation on personal thermal comfort	Australia	A7: Thermal comfort	oral

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HP0699	Lee, Juyoun	Changjin Jeong, Jeungchan Lee, Wonseok Oh, Sooyeol Lee, Minhyung Cho, Kyungmo Park	Brain correlates with thermal comfort during whole body cooling by air flow	Korea South	A7: Thermal Comfort	oral
HP0586	Lee, Meng-Chieh	Ling-Tim Wong, Kok-Wei Mui, Chia-Feng Chang, Wai-Hou Lam	Energy conservation between natural ventilated and air-conditioned classroom in Taiwan	Taiwan	A7: Thermal comfort	oral
HP0290	Li, Min	Bin Cao, Jérôme Damiens, Yingxin Zhu	Indoor thermal comfort in a mix mode office building in Shenzhen for a long time	China	A7: Thermal comfort	oral
HP1001	Li, Xiang	Bin Chen, Joe R. Zhao	An understanding of thermal comfort based on philosophy of harmony between nature and human	China	A7: Thermal comfort	oral
HP0334	Li, Yanru	Yannagao, Jun Wang, Enshen Long	Assessment on indoor thermal environment of residential building room with capillary-tube air conditioning system	China	A7: Thermal comfort	oral-poster
HP0375	Lipczynska, Aleksandra	Jan Kaczmarczyk, Arsen K. Melikov	Performance of radiant cooling ceiling combined with personalized ventilation in an office room: identification of thermal conditions	Denmark	A7: Thermal comfort	oral
HP0018	Luo, Maohui	Bin Cao, Min Li, Qin Ouyang, Yingxin Zhu	Residential space heating: individual or centralized? A field study on indoor thermal comfort in Beijing.	China	A7: Thermal comfort	oral
HP0029	Luo, Maohui	Juan Yu, Qin Ouyang, Yingxin Zhu	Application of dynamic airflow to split air-conditioning and its impacts on human thermal response	China	A7: Thermal comfort	oral
HP1297	Moga, Ligia	Ioan Moga	Heat loss coefficient influence on the energy performance of buildings	Romania	A7: Thermal comfort	oral
HP0225	Nagano, Kazuo	Chisato Kani, Tetsumi Horikoshi	Climate atlas of Japan by the universal effective temperature ETU	Japan	A7: Thermal comfort	oral-poster
HP1241	Nakano, Junta	Shin-Ichi Tanabe	Thermal comfort zone of semi-outdoor public spaces	Japan	A7: Thermal comfort	oral
HP0780	Nathwani, Ashak		Indoor thermal comfort in commercial buildings versus air conditioning systems	Australia	A7: Thermal comfort	oral
HP0686	Park, Dong yoon	Seongju Chang	Numerical analysis on the thermal and air exchange performance of linear slot diffuser length variations in an office space	Korea South	A7: Thermal comfort	oral
HP0915	Pasut, Wilmer	Hui Zhang, Ed Arens, Yongchao Zhai	Energy-efficient comfort with a heated/cooled chair	USA	A7: Thermal comfort	oral
HP1293	Pustayova, Hana	Dušan Petráš	Thermal comfort in dwelling buildings after refurbishment	Slovakia	A7: Thermal comfort	oral
HP0881	Saito, Teruyuki	Satoru Kuno, Saki Ota, Mayumi Mimura	The effect of natural ventilation on physiological and psychological responses to the indoor thermal environment of Japanese housing	Japan	A7: Thermal comfort	oral
HP0470	Sakoi, Tomonori	Naoto Tominaga, Arsen K Melikov, Sona Kolencikova	Cooling clothing utilizing water evaporation	Japan	A7: Thermal comfort	oral
HP0471	Sakoi, Tomonori	Arsen K. Melikov, Sona Kolencikova, Naoto Tominaga	Improvement of thermal comfort by cooling clothing in warm climate	Japan	A7: Thermal comfort	oral
HP0472	Sakoi, Tomonori	Tohru Mochida, Yoshihito Kurazumi, Kazuyo Tsuzuki, Ryozo Ooka	Modification of standard effective temperature for the evaluation of activity intensity	Japan	A7: Thermal comfort	oral

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HP0048	Schiavon, Stefano	Donghyun Rim, Wilmer Pasut, William W. Nazaroff	Sensation of draft at ankles for displacement ventilation and underfloor air distribution systems	USA	A7: Thermal comfort	oral
HP0933	Sehizadeh, Ali	Hua Ge	Impact of future climate change on the thermal comfort of Canadian housing retrofitted to the PassiveHaus standard	Canada	A7: Thermal comfort	oral
HP0678	Simone, Angela	Juan Yu, Gabriele Levorato, Bjarne W. Olesen, Yingxin Zhu	Thermal comfort assessment of Danish occupants exposed to warm environments and preferred local air movement	Denmark	A7: Thermal comfort	oral
HP1002	Son, Youngjoo	Yoorim Choi, Minjung Kim, Yongmin Kim, Chungyoon Chun	Occupants' stress based on brain waves and salivary alpha-amylase responses on each PMV condition	Korea South	A7: Thermal comfort	oral
HP0456	Sui, Xuemin	Xu Zhang	Drawing of new thermal comfort charts for radiant cooled residential buildings	China	A7: Thermal comfort	oral-poster
HP0763	Tsutsumi, Hitomi	Mai Fujiwara, Shin-Ichi Tanabe, Satoshi Hori, Yoshio Shimizu, Hiroaki Io, Chieko Hamada, Yasuhiko Tomino	Field measurement on thermal comfort of patients and medical staff in a dialysis room	Japan	A7: Thermal comfort	oral
HP0415	Tsuzuki, Kazuyo	Naomi Morito, Hajime Nishimiya	Effects of airflow from air conditioners on human thermoregulation during sleep	Japan	A7: Thermal comfort	oral
HP1086	van den Ouweland, Eefke	Wim Zeiler, Yvonne De Kort, Gerarda Nierman, Wim Maassen, Gert Boxem	Perceived comfort in offices; a holistic approach	Netherlands	A7: Thermal comfort	oral
HP0822	Verhaart, Jacob	Michal Veselý, Wim Zeiler	Design of a neck heating system	Netherlands	A7: Thermal comfort	oral
HP0698	Veselý, Michal	Wim Zeiler	How to quantify thermal sensation and comfort?	Netherlands	A7: Thermal comfort	oral-poster
HP0848	Veselý, Michal	Wim Zeiler	Fingertip temperature as a control signal for personalized heating	Netherlands	A7: Thermal comfort	oral
HP1089	Vissers, Derek	Wim Zeiler, Gert Boxem	Wireless determination of skin temperature by an infrared camera compared with i-buttons measurements	Netherlands	A7: Thermal comfort	oral
HP0601	Vorre, Mette	Rasmus L. Jensen	Does variation in clothing make us more thermally comfortable?	Denmark	A7: Thermal comfort	oral
HP0390	Wang, Xin	Chen Huang, Ping Lu	Comparison of indoor thermal environment with two kinds of air distributions in a large space in summer	China	A7: Thermal comfort	oral-poster
HP0668	Wang, Zhaojun	Jing Ren, Chengzu Kang, Xuexiang Zhang	Thermal comfort before and at the beginning of heating at office rooms in China severe cold zone	China	A7: Thermal comfort	oral
HP0370	Wu, Mingyang	Xiaohua Liu, Kang Zhao, Yuwei Zheng	Testing and comparative analysis on indoor thermal environments in the large space building of airport	China	A7: Thermal comfort	oral
HP0237	Wu, Yu-Chi	Ardeshir Mahdavi	Subjective evaluation of thermal sensation and comfort subsequent to spatial transitions	Austria	A7: Thermal comfort	oral
HP0442	Xia, Qian	Xiaoping Niu, Jianlei Niu, Kenny C.S. Kwok	Effects of building lift-up design on pedestrian gust wind environment	Hong Kong	A7: Thermal comfort	oral

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HP0588	Yang, Bin	Stefano Schiavon, Chandra Sekhar, Kok Wai Cheong, Kwok Wai Tham, William Nazaroff	Performance evaluation of an energy efficient stand fan	Singapore	A7: Thermal comfort	oral
HP1131	Yang, Liu	Haiyan Yan, Wuxing Zheng, Rui Hu	Residential thermal environment and thermal comfort in a rural area with a hot-arid climate: field study during the summer in Turfan, China	China	A7: Thermal comfort	oral
HP0114	Yang, Rui	Xiang Zhou, Xu Zhang	Field study of interaction effect of sound and vibration on human thermal comfort in bus	China	A7: Thermal comfort	oral
HP1074	Yang, Wei	Nyuk Hien Wong, Junli Zhou	Overcooling and thermal comfort in air conditioned university buildings in Singapore	China	A7: Thermal comfort	oral
HP0083	Yu, Juan	Angela Simone, Gabriele Levorato, Yingxin Zhu, Bjarne W. Olesen	Offset of warm sensation by local air flow: Chinese and Danish preference	China	A7: Thermal comfort	oral-poster
HP0687	Yumoto, Issei	Shin-Ichi Tanabe	Development of a numerical thermoregulation model that considers the effects of aging	Japan	A7: Thermal Comfort	oral
HP0278	Zhai, Yongchao	Yufeng Zhang, Qinglin Meng, Huimei Chen, Jinyong Wang	Gender differences in thermal comfort in a hot-humid climate	USA	A7: Thermal comfort	oral-poster
HP0942	Zhang, Fan	Richard De Dear, Christhina Candido	Thermal comfort during direct load control events in university lecture theatres	Australia	A7: Thermal comfort	oral
HP0683	Zhang, Jingsi	Xiang Zhou, Qiqi Zhang, Xiaohu Dai	Impact of Occupant Behaviour on Heating Energy Consumption and Human Thermal Comfort in Residential Buildings	China	A7: Thermal comfort	oral
HP1171	Zhang, Yufeng		Design indicators of thermal environments for residential buildings in hot summer and warm winter zone of China	China	A7: Thermal comfort	oral-poster
HP0584	Zhao, Mingjie	Yang-Seon Kim, Shi Shu, Jelena Srebric	Thermal comfort investigation in supermarkets and grocery stores based on in-situ measurements and a survey study	USA	A7: Thermal comfort	oral
HP0889	Zhou, Xin	Hui Zhang, Zhiwei Lian, Li Lan	Predict thermal sensation of Chinese people using a thermophysiological and comfort model	China	A7: Thermal comfort	oral
HP0637	Zhou, Y.	K.W. Mui, C.T. Cheung	Use of Indoor Environmental Quality (IEQ) calculator for assessing indoor thermal acceptance in air-conditioned classroom	Hong Kong	A7: Thermal comfort	oral-poster
HP1451	Zhuo, Yanbin	Gang Liu, Chenyi Lin	Indoor thermal comfort and heating temperature setpoint threshold research for office building in Tianjin China	China	A7: Thermal comfort	oral-poster
HP0902	Zuska, Lenka	Michal Kabrhel	New method for evaluation of non-uniform indoor environment	Czech Republic	A7: Thermal comfort	oral-poster
HP0152	Lan, Li	Zhiwei Lian, Xin Zhou	Effects of moderate air temperature fluctuation on sleep quality and thermal comfort in healthy people	China	A7: Thermal comfort	oral

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HP0575	Almeida, Susana	Sandra Cabo Verde, João Matos, Carla A. Ramos, Carla Viegas, Tiago Faria	Indoor air quality in hospital environments	Portugal	A8: IAQ & perceived air quality	oral-poster
HP0970	Bamba, Ikuko	Kenichi Azuma	Relation of changes in cerebral blood flow and diffusion material caused by smelling wood	Japan	A8: IAQ & perceived air quality	oral-poster
HP1079	Brosig, Laura	Wolfgang Horn, Lars Pyza, Oliver Jann	Applicability: odour Measurement based on ISO 16000-28 - enhanced determination of indoor air quality	Germany	A8: IAQ & perceived air quality	oral-poster
HP0674	Chen, Ailu	Qingliang Cao, Victor W.C. Chang	Occurrence of airborne phthalates in different air-conditioned buildings in Singapore	Singapore	A8: IAQ & perceived air quality	oral
HP0219	Du, Liuliu	Tadas Prasauskas, Virpi Leivo, Mari Turunen, Anu Aaltonen, Mihkel Kiviste, Dainius Martuzevicius, Ulla Haverinen-Shaughnessy, The Insulate Project Group	Building energy-efficiency interventions in North-East Europe: effects on indoor environmental quality and public health	Finland	A8: IAQ & perceived air quality	oral
HP0400	Fadeyi, Moshood	Kwok W. Tham, Wei Y. Wu, Henry C. Willem	Effect of ozone initiated chemistry on perceptual responses and work performance of tropically acclimatized subjects in a simulated office environment	Singapore	A8: IAQ & perceived air quality	oral
HP0143	Földváry, Veronika	Gabriel Bekó, Dušan Petráš	Impact of energy renovation on indoor air quality in multifamily dwellings in Slovakia	Slovakia	A8: IAQ & perceived air quality	oral
HP1073	Höllbacher, Eva	Cornelia Rieder-Gradinger, Daniel Stratev, Ewald Srebotnik	Influence of VOC emissions from wood and wood-based materials on indoor air quality	Austria	A8: IAQ & perceived air quality	oral
HP0694	Hurtíková, Daniela	Dušan Petráš	The energy performance certificate of ventilation and evaluation of indoor air quality in office building in Slovakia	Slovakia	A8: IAQ & perceived air quality	oral-poster
HP0500	Justo Alonso, Maria	Hans Martin Mathisen, Jun Guan, Johan Halvarsson	Case study of window and ventilation renovation and its impact on indoor climate	Norway	A8: IAQ & perceived air quality	oral
HP1149	Kaul, Nivedita	A.B. Gupta, Mukesh Khare, Gaurav Singh, Sumit Khandelwal	Characteristics of combustion generated pm and nox: a case study of hostel kitchens, India	India	A8: IAQ & perceived air quality	oral
HP0838	Koskela, Hannu	Henna Maula, Annu Haapakangas, Viivi Moberg, Valtteri Hongisto	Effect of low ventilation rate on office work performance and perception of air quality - a laboratory study	Finland	A8: IAQ & perceived air quality	oral
HP0275	Kurita, Hirofumi	Akira Mizuno	Evaluation of oxidative radical reaction in aqueous media injected by discharge devices used in indoor air cleaners	Japan	A8: IAQ & perceived air quality	oral-poster
HP0831	Lappalainen, Vuokko	Helena Järnström, Pertti Pasanen	VOC profiles indicating odour IAQ problems in dwellings	Finland	A8: IAQ & perceived air quality	oral-poster
HP1055	Lin, Zhijing	Tingting Wang, Dan Norback, Haidong Kan, Jinzhuo Zhao, Weimin Song, Hongwei Guo, Zhuohui Zhao	Sick building syndrome, perceived odors, sensation of air dryness and indoor environment in Urumqi, China	China	A8: IAQ & perceived air quality	oral
HP0376	Lipczynska, Aleksandra	Jan Kaczmarczyk, Arsen K. Melikov	Performance of personalized ventilation combined with chilled ceiling in an office room: inhaled air quality and contaminant distribution	Denmark	A8: IAQ & perceived air quality	oral
HP1323	Lopušniak, Martin	Dušan Katunský, Anna Vašková	Effect of air distribution systems on CO2 concentration	Slovakia	A8: IAQ & perceived air quality	oral-poster

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HP1197	Luther, Mark	Peter Horan, Steven E. Atkinson	Examining CO2 levels in school classrooms	Australia	A8: IAQ & perceived air quality	oral
HP0994	Nakaoka, Hiroko	Hiroshi Seto, Emiko Todaka, Masamichi Hanazato, Michiko Shimoda, Chisato Mori	Aging variation in indoor air quality at experimental sites in Chemiless Town	Japan	A8: IAQ & perceived air quality	oral
HP0893	Pagel, Érica	José Laerte Boechat, Marília Martins Nishikawa, Cristina Engel De Alvarez, Neyval C. Reis Júnior, Jane M. Santos	Indoor air exposure to fungi at the Brazilian Antarctic Station	Brazil	A8: IAQ & perceived air quality	oral-poster
HP0858	Pagel, Érica	Sandra P Beghi, Cristina Engel De Alvarez, Neyval C. Reis Júnior, Paulo Wagnner P. Antunes, Sérvio Túlio Cassini, Jane M. Santos	Impact of human activities and the building materials in the concentration of aldehydes in the Comandante Ferraz Antarctic station	Brazil	A8: IAQ & perceived air quality	oral
HP1005	Plesner, Christoffer	Karsten Duer	Evaluation of the indoor air quality in a single family Active house	Denmark	A8: IAQ & perceived air quality	oral
HP0582	Sacks, Dana	Derek G. Shendell	Case study: ventilation and thermal comfort parameter assessment of a local private gym in a retrofitted industrial building in central NJ	USA	A8: IAQ & perceived air quality	oral-poster
HP0506	Strøm-Tejsen, Peter	Pawel Wargocki, David P. Wyon, Anna Kondracka	The effect of air quality on sleep	Denmark	A8: IAQ & perceived air quality	oral
HP0280	Turunen, Mari	Oluyemi Toyinbo, Tuula Putus, Aino Nevalainen, Richard Shaughnessy, Ulla Haverinen-Shaughnessy	Assessment of school level prevalence of symptoms using questionnaire	Finland	A8: IAQ & perceived air quality	oral
HP0031	Wang, Jun	Enshen Long, Xu Zhang	Ventilation and pollutants concentration requirements under combined pollution caused by human metabolism and building material	China	A8: IAQ & perceived air quality	oral-poster
HP0796	Wang, Zhaojun	Rui Tang, Jing Ren	Study on PM2.5 and PM10 in offices in Harbin, China	China	A8: IAQ & perceived air quality	oral

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HP0972	Fukuda, Miwa	Jun Munakata	What kind of residents' motivations to improve lighting environment leads to energy-saving at home?	Japan	A9: Indoor air acoustics and lighting	oral-poster
HP0734	Iwata, Toshie	Tomoko Taniguchi, Takumi Wakimoto, Ryohei Mase, Tsuyoshi Ito, Daisuke Hirai, Masahiro Sato, Setsuko Yoshino	Change in office lighting from new construction to existing building	Japan	A9: Indoor air acoustics and lighting	oral
HP1245	Lee, Jeehwan	Jae D. Chang	Influence of vent perforation on the ventilation and acoustical performances of double skin facades	USA	A9: Indoor air acoustics and lighting	oral
HP0682	Liao, Huey-Yan	Ruey-Lung Hwang, Wen-Mei Shih, Chen-Peng Chen	Indoor environmental quality in green buildings under energy-efficient power management	Taiwan	A9: Indoor air acoustics and lighting	oral-poster
HP0224	Nagano, Kazuo	Tetsumi Horikoshi	Development of equi-comfort charts constituted with temperature and noise at 150 and 3 lx	Japan	A9: Indoor air acoustics and lighting	oral-poster
HP0476	Sun, Chanjuan	Zhiwei Lian	The effect of lighting conditions on visual comfort	China	A9: Indoor air acoustics and lighting	oral
HP1039	Taniguchi, Tomoko	Toshie Iwata, Mina Watanbe	Effect of living room LED lighting controlled by occupants on circadian rhythm and energy saving	Japan	A9: Indoor air acoustics and lighting	oral
HP0251	Toftum, Jørn	Kristine Hillig, Søren Peter Lund, Per M. Nielsen, Jesper Kristiansen	Association between noise levels and CO2 concentrations in classrooms	Denmark	A9: Indoor air acoustics and lighting	oral

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HP0903	Almeida-Silva, Marina	Tiago Faria, Susana M. Almeida And Hubert T. Wolterbeek	Human exposure to air pollutants: personal cloud phenomenon	Portugal	A10: Public health and exposure studies	oral-poster
HP1374	Bluyssen, Philomena		How and why do people respond to indoor environmental stressors?	Netherlands	A10: Public health and exposure studies	oral
HP0178	Chang, Che-Jung	Shu-Fang Cheng, Shih-Wei Tsai	Indoor air quality in hairdressing salons in Taipei	Taiwan	A10: Public health and exposure studies	oral-poster
HP0719	Che, Wenwei	H. Christopher Frey, Alexis K.H. Lau, Jimmy C.H. Fung	Geographic and seasonal variations in air exchange rate and their impacts on the estimation of children's exposure to ambient PM2.5	Hong Kong	A10: Public health and exposure studies	oral
HP0843	Deng, Qihong	Chan Lu	Effects of early life exposure to ambient air pollution on asthma among preschool children in China: An industrial environment cannot be overlooked	China	A10: Public health and exposure studies	oral
HP0845	Deng, Qihong	Chan Lu	Increased ambient temperature and risk of preterm birth: hot summer nights cause high risk?	China	A10: Public health and exposure studies	oral
HP0062	Dieudonné, Nanfa	Atogho T. Barbara, Ndonwi E. Ngwa, Fopa L.G. Bertrand	Environmental and health risk associated with the dissemination of Persistent Organic Pollutants (POPs) in Yaounde	Cameroon	A10: Public health and exposure studies	oral
HP1097	Dott, Wolfgang	Bülent İzmit, Nicole Nowak, Sabrina Michael	Terpene induced toxic effects in human lung cells	Germany	A10: Public health and exposure studies	oral
HP0160	Du, Zhengjian	Jinhan Mo, Yinping Zhang	Risk assessment of population exposure to volatile organic compounds and carbonyls in urban China	China	A10: Public health and exposure studies	oral
HP0131	Gall, Elliott	Jin Zhou, Victor Chang, William Nazaroff	Indoor exposure to outdoor pollution in a tropical environment	Singapore	A10: Public health and exposure studies	oral
HP1183	Gudmundsson, Anders	Maria Albin, Ulla B.K. Andersson, Eva Assarsson, Anna Axmon, Lars Barregård, Margareta Berglund, Mats Bohgard, Karin Broberg, Jonas Brunskog, Inger Hagerman, Bo A.G. Jönsson, Monica Kåredal, Patrik Nilsson, Kai Österberg, Joakim Pagels, Torben Poulsen, Jenny Rissler, Leo Stockfelt, Gerd Sallsten, Yiyi Xu, Aneta Wierzbicka	Health effects of combined exposure to diesel exhaust and traffic noise	Sweden	A10: Public health and exposure studies	oral-poster
HP1162	Huang, Chun-nan	Wei-Lun Lee, Hong-Bin Cho, Chia-Wei Lee	Comparative assessment of children's exposure to formaldehyde in schools, kindergartens and dwellings	Taiwan	A10: Public health and exposure studies	oral-poster
HP0784	Hwang, Yunhyung	Kiyoung Lee	Personal exposures to particulate matters in various microenvironments and their contributions in Seoul population	Korea South	A10: Public health and exposure studies	oral-poster
HP0042	Kadiri, Shamusideen	Dakwak L. Sells, Nosa Ukpomwan, Taofik I. Salau	Indoor environmental quality in multi storey office buildings and its implication on the health and safety of workers. Evaluation of Lagos State Government Administrative buildings in Nigeria	Nigeria	A10: Public health and exposure studies	oral
HP0109	Kakitsuba, Naoshi		Effect of morning bright light after awake on morning rise in core temperature	Japan	A10: Public health and exposure studies	oral

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HP1142	Kim, Minsik	Ryohji Ohba, Masamichi Oura, Shinsuke Kato	Study on long-term radiation exposure analysis after the Fukushima Dai-ichi nuclear power plant accident: application of the EU long-term radiation exposure model (ERMIN)	Japan	A10: Public health and exposure studies	oral
HP0106	Laverge, Jelle	Arnold Janssens	The impact of occluding bedding arrangements on rebreathing and physiological responses to it	Belgium	A10: Public health and exposure studies	oral
HP0377	Lee, Jae Young	Jong Bum Kim, Gwang-Jae Lee, Seonghee Ryu, Gwi-Nam Bae	Indoor air quality at home of children with atopic dermatitis and their exposure to traffic-related air pollutants	Korea South	A10: Public health and exposure studies	oral
HP0378	Lendowski, Luba		"Integration of longterm MRSA carriers in communities"	Germany	A10: Public health and exposure studies	oral
HP0820	Leung, Nancy	James J. Mcdevitt, Kwok-Hung Chan, Hui-Ling Yen, Dennis K.M. Ip, Yuguo Li, Gabriel M. Leung, Joseph S.M. Peiris, Wing-Hong Seto, Donald K. Milton, Benjamin J. Cowling	Reduction of influenza virus shedding in human bioaerosols by surgical face masks	Hong Kong	A10: Public health and exposure studies	oral-poster
HP0151	Li, Li	Jinquan Li, Xu Yang	Dermal and oral exposure to dibutyl phthalate induced lung damage in Balb/C mice	China	A10: Public health and exposure studies	oral
HP1275	Li, Linyan	Gary Adamkiewicz, Yinping Zhang, John D. Spengler, Fang Qu, Jan Sundell	Effect of traffic exposure on sick building syndrome symptoms among guardians of preschool children in Beijing, China	China	A10: Public health and exposure studies	oral
HP1218	Lin, Chi-Chi	Verónica Beatriz Lima Pappaseit, Hsiao Ying Cheng	Personal exposure to air pollutants at lotus pond during Wannian Folklore Festival	Taiwan	A10: Public health and exposure studies	oral
HP1271	Lindström, Cecilia	Laura Von Kobyltezki, Maria U. Hallerbäck, Christian H. Lindh, Bo A. Jönsson, Malin Knutz, Huan Shu, Carl-Gustaf Bornehag	Perfluorinated compounds in serum from 2,373 pregnant women in Sweden	Sweden	A10: Public health and exposure studies	oral
HP1056	Logue, Jennifer	Max H. Sherman, Brett C. Singer	A method for quantifying the acute health impacts of residential non-biological exposures via inhalation	USA	A10: Public health and exposure studies	oral
HP0112	Ma, Ping	Biao Yan, Yang Xu	Di-iso-nonyl phthalate oral exposure of Kunming mice induces hepatic and renal tissue injury	China	A10: Public health and exposure studies	oral
HP1034	Mandin, Corinne	Serena Fossati, Nuno Canha, Andrea Cattaneo, Eric Cornelissen, Otto Hänninen, Yvonne De Kluizenaar, Viktor G. Mihucz, Eduardo De Oliveira Fernandes, Matti Peltonen, Ioannis Sakellaris, Dikaia Saraga, Gabriela Ventura, Rosanna Mabilia, Erica Perreca, Tamás Szigeti, Paolo Carrer, John Bartzis	Indoor air quality in office buildings in Europe: the OFFICAIR Project	France	A10: Public health and exposure studies	oral
HP1181	Marini, Sara	Patrik Nilsson, Aneta Wierzbicka, Monica Kåredal, Eva Blomgren, Jörn Nielsen, Giorgio Buonanno, Anders Gudmundsson	Airborne exposure of hairdressers during hair bleaching: a human chamber exposure study	Sweden	A10: Public health and exposure studies	oral-poster

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HP0384	Mentese, Sibel	Muserref T. Otkun, Coskun Bakar, Nihal A. Mirici, Sibel Cevizci, Osman Cotuker, Deniz Tasdibi, Elif Palaz	Comparison of exposure to indoor air pollution in different towns of Çanakkale, Turkey	Turkey	A10: Public health and exposure studies	oral
HP0885	Nastase, Ilinca	Cristiana V. Croitoru, Andreea A. Vartires, Mihai Gustiuc, Walter Bosschaerts	Measurement and questionnaires survey of the indoor environment quality in an emergency hospital from Bucharest	Romania	A10: Public health and exposure studies	oral-poster
HP1143	Park, Duckshin	Yong Il Lee, Do Yeon Hwang, Mona Loraine Barabad, Wonseok Jung, Wootae Jeong, Soon-Bark Kwon, Youngmin Cho, Ki-Chul Cho, Kiyoung Lee	Exposure to airborne particulate matter in different types of transportation	Korea South	A10: Public health and exposure studies	oral-poster
HP0443	Parker, Kristia	Glenn C. Morrison, Melissa M. Buechlein	New routes of human exposure to methamphetamine from residential meth labs: post-remediation accumulation from air to skin oil	USA	A10: Public health and exposure studies	oral
HP0583	Sacks, Dana	Derek G. Shendell	Case study: particle concentrations at a local private gym dependent on mechanical ventilation in a retrofitted industrial building in central NJ	USA	A10: Public health and exposure studies	oral
HP1277	Shu, Huan	Bo A.G. Jönsson, Christian H. Lindh, Malin Knutz, Eewa Nånberg, Åke Svensson, Carl-Gustaf Bornehag	PVC flooring in the home is related to urinary levels of phthalates in Swedish pregnant women in the SELMA Study	Sweden	A10: Public health and exposure studies	oral
HP1191	Wierzbicka, Aneta	Gabriel Bekö, Jørn Toftum, Geo Clausen, Steffen Loft, Dorina Gabriela Karottki, Andreas Massling, Tareq Hussein	A model for estimating particle concentration indoors – based on information from occupants’ questionnaires, indoor sources emission factors, outdoor concentration and building characteristics	Sweden	A10: Public health and exposure studies	oral
HP1115	Wu, Chih-Da	J.G. Cedeño-Laurent, Eileen Mcneely, Gary Adamkiewicz, Francesca Dominici, Shih-Chun Candice Lung, Huey-Jen Su, John D Spengler	Association between surrounding greenness and student performance using remote sensing	Taiwan	A10: Public health and exposure studies	oral
HP0441	Xia, Qian	Xiaoping Liu, Jianlei Niu, K.C.S. Kwok	Effects of building lift-up design on pedestrian pollutant dispersion	Hong Kong	A10: Public health and exposure studies	oral
HP0530	Xiong, Jing	Chanjuan Sun, Zhiwei Lian	Investigation of human response to temperature step changes	China	A10: Public health and exposure studies	oral-poster
HP0606	Zhang, Huadi	Yili Zhao, Hua Qian, Xiaohong Zheng, Jan Sundell	Associations between children’s rhinitis and indoor air pollutants in kindergartens in Nanjing	China	A10: Public health and exposure studies	oral
HP0246	Zhang, Xiaojing	Pawel Wargocki, Zhiwei Lian	Literature survey on the effects of pure carbon dioxide on health, comfort and performance	China	A10: Public health and exposure studies	oral-poster
HP0335	Zhou, Qi	Naiping Gao, Hua Qian	CFD study on the wind-induced transmission of gaseous pollutants between flats in multistory residential buildings	China	A10: Public health and exposure studies	oral

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HP0909	Almeida-Silva, Marina	Tiago Faria, Dikaia Saraga, Thomas Maggos, Hubert T. Wolterbeek, Susana M. Almeida	Source apportionment of indoor PM10 in elderly care center	Portugal	B1: Source of indoor air pollutants	oral
HP0617	Andersen, Helle	Helene B. Klinke, Lis W. Funch, Lars Gunnarsen	Emission of formaldehyde from furniture: assessment of its impact on indoor air quality	Denmark	B1: Source of indoor air pollutants	oral
HP0625	Boor, Brandon	Yirui Liang, Neil E. Crain, Helena Järnström, Atila Novoselac, Ying Xu	New and used crib mattresses as a source of volatile organic compounds, phthalate and alternative plasticizers, and other chemical species in the infant sleep microenvironment	USA	B1: Source of indoor air pollutants	oral
HP0675	Chen, Ailu	Victor W.C. Chang	Correlations between indoor particle and phthalate concentrations	Singapore	B1: Source of indoor air pollutants	oral
HP0677	Chen, Cheng chen	Kun Chih Huang, Ching Chang Lee	A comparison of the reduction Efficiency of indoor formaldehyde and VOCs concentration by using ventilation removal and SBMs	Taiwan	B1: Source of indoor air pollutants	oral
HP1148	El-Bagir, Sohair	Godwin A. Ayoko, Serge Kokot	Multi-criteria ranking of house dust samples from residential dwellings	Australia	B1: Source of indoor air pollutants	oral
HP0573	Emmerich, Steven	Liangzhu (Leon) Wang, Andrew K. Persily	Measured carbon monoxide emission rates from stock and reduced- emission prototype portable generators	USA	B1: Source of indoor air pollutants	oral
HP1180	Fang, Jung-Tang	Wei-Lun Lee, Chitsan Lin, Chia-Wei Lee	Indoor-outdoor air concentrations of organic air toxics in the vicinity of a petrochemical industrial complex in Kaohsiung, Taiwan	Taiwan	B1: Source of indoor air pollutants	oral-poster
HP0832	Faure, Eddie	Loïc Paillat, Guénaél Thiault, Ghislaine Goupil, Laurence Durupt, Claudie Delaunay	Nail bar impact on indoor air quality	France	B1: Source of indoor air pollutants	oral-poster
HP0022	Havermans, John	Marc M.G. Houtzager	Emission of volatiles from Spray Polyurethane Foam (SPF) insulated crawl spaces	Netherlands	B1: Source of indoor air pollutants	oral-poster
HP1236	Hofbauer, Wolfgang	Nicole Krueger, Florian Mayer, Klaus Breuer	Isopleth systems of insulation materials	Germany	B1: Source of indoor air pollutants	oral
HP1237	Hofbauer, Wolfgang	Nicole Krueger, Anna Renzl, Florian Mayer, Klaus Sedlbauer, Klaus Breuer	Towards a better understanding of wood decay	Germany	B1: Source of indoor air pollutants	oral
HP1083	Isaxon, Christina	Anders Gudmundsson, Erik Nordin, Leif Lönnblad, Andreas Dahl, Gunilla Wieslander, Mats Bohgard, Aneta Wierzbicka	Contribution of indoor generated submicrometer particles to residential exposure	Sweden	B1: Source of indoor air pollutants	oral
HP0499	Jian, Yating	Jun Gao, Cao Changsheng, Weimin Xiao, Xinzhong Lai, Yanlin Gao	Emission of particle-bound polycyclic aromatic hydrocarbons during Chinese cooking in a kitchen chamber	China	B1: Source of indoor air pollutants	oral
HP0531	Kim, Hyun-tae	Shin-Ichi Tanabe, Hirokazu Hatano	The concentration of phthalate in settled dust in kindergartens and emission source	Japan	B1: Source of indoor air pollutants	oral
HP0973	Kujanpää, Liisa	Sirpa Rautiala, Helmi Kokotti, Marjut Reiman	Indoor air quality in offices adjacent to industrial halls	Finland	B1: Source of indoor air pollutants	oral-poster

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HP1355	Langeland, Majbrith	Projectdirector, Rune Ø. Haven, Projectmanager	National investigation of PCB sources as an indoor pollutant in domestic houses, offices, institutions, storage spaces and workshops	Denmark	B1: Source of indoor air pollutants	oral-poster
HP1221	Lazarov, Borislav	Marianne Stranger, Frederick Maes, Eddy Goelen, Adrian Covaci	Flame retardant emission testing from treated products	Belgium	B1: Source of indoor air pollutants	oral-poster
HP1139	Lee, Jeong-Hun	Jungki Seo, Sumin Kim	Development of environment-friendly furnishing materials using tannin resin	Korea South	B1: Source of indoor air pollutants	oral
HP1208	Lee, Wei-Lun	Hong-Bin Cho, Jung-Tang Fang, Hsin-Hung Shih, Chia-Wei Lee	Phthalates in Indoor dust and outdoor soil in the vicinity of a petrochemical industrial complex in Southern Taiwan	Taiwan	B1: Source of indoor air pollutants	oral-poster
HP0520	Liang, Yirui	Ying Xu	An improved method for measuring and characterizing phthalate emissions from building materials and its application to exposure assessment	USA	B1: Source of indoor air pollutants	oral
HP0276	Lin, Chi-Chi	Shu-Chen Hsu	Carbonyls and BTEX emissions from selected building materials	Taiwan	B1: Source of indoor air pollutants	oral
HP1147	Lorentzen, Johnny	Maria Nilsson, Gunnar Johanson	Chloroanisoles represent a common indoor air quality problem in Sweden – sensitive methods to detect the malodorous chemicals in air and materials	Sweden	B1: Source of indoor air pollutants	oral-poster
HP0223	Ma, Qiang	Zhenqian Chen, Bo Xu	Lattice Boltzmann simulations for VOCs migration in porous building materials reconstructed by stochastic fractal theory	China	B1: Source of indoor air pollutants	oral
HP1333	Mason, Mark	Ken Krebs, Mark Barnes, Dale Greenwell, Xiaoyu Liu, Charles Bevington, Carol Hetfield, Katherine Sleasman, Nancy Roache, Gary Folk, Gunnar Skarping, Marianne Dalene, Daniel Karlsson	Development of test systems for characterizing emissions from Spray Polyurethane Foam Insulation (SPFI) products	USA	B1: Source of indoor air pollutants	oral
HP0412	Melymuk, Lisa	Pernilla Bohlin, Šimon Vojta, Martina Krátká, Jana Klánová	Distribution of legacy and emerging semi-volatile organic contaminants in a residential environment	Czech Republic	B1: Source of indoor air pollutants	oral
HP1111	Morawska, Lidia	Mandana Mazaheri, Samuel Clifford, Farhad Salimi, Rusdin Laiman, Leigh R. Crilley	Indoor air pollution sources and exposures in primary schools: UPTECH Synthesis	Australia	B1: Source of indoor air pollutants	oral
HP0194	Park, Seonghyun	Sunwoo Lee, Jae Hun Jo, Janghoo Seo	Evaluation on inhaled air quality in indoor environment applying sorptive building materials	Korea South	B1: Source of indoor air pollutants	oral-poster
HP1012	Persily, Andrew	Steven Emmerich, Yanling Wang, Brian Polidoro	Simulation study of carbon monoxide exposure from portable generators in U.S. residences	USA	B1: Source of indoor air pollutants	oral
HP0487	Plaisance, Herve	Alodie Blondel, Valerie Desauziers, Pierre Mocho	An original method using a passive flux sampler to characterize the gas-phase boundary layer on the surface of indoor materials	France	B1: Source of indoor air pollutants	oral
HP0174	Pu, Zhongnan	Lihui Huang, Weiping Zhao, Yang Yue, Mengyan Gong, Jinhan Mo, Jan Sundell, Yinping Zhang	Comparison of contribution to people health risk from indoor and outdoor carbonyls sources in Beijing, China	China	B1: Source of indoor air pollutants	oral-poster
HP0510	Qi, Meiwei	Xiaofeng Li, Louise B. Weschler, Jan Sundell	CO2 generation rate in Chinese people	China	B1: Source of indoor air pollutants	oral

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HP0981	Rackes, Adams	Tom Ben-David, Michael S. Waring	Statistical models of whole-building volatile organic compound emission rates in U.S. offices	USA	B1: Source of indoor air pollutants	oral
HP1036	Sleiman, Mohamad	Jennifer M. Logue, James F. Pankow, Lara A. Gundel, Hugo Destailats	Chemical characterization and health impact assessment of VOCs and particles in thirdhand tobacco smoke	USA	B1: Source of indoor air pollutants	oral
HP1332	Stranger, Marianne	John Bartzis, Peder Wolkoff, George Efthimiou, Evangelos Tolis, Frederick Maes, Asger Norgaard, Gabriela Ventura, Krystallia Kalimerii, Eddy Goelen, Eduardo De Oliveira Fernandes	Consumer product emission testing in EPHECT	Belgium	B1: Source of indoor air pollutants	oral
HP0102	Sun, Xiao	Xudong Yang	Experimental study Volatile Organic Compounds (VOCs) in normal human exhaled breath	China	B1: Source of indoor air pollutants	oral
HP1295	Tian, Yilin	Andrea. R. Ferro	Resuspension of submicron particles due to human walking	USA	B1: Source of indoor air pollutants	oral
HP0333	Wang, Chao	Xudong Yang, Jun Guan, Kai Gao, Zheng Li	Source apportionment of volatile organic compounds in aircraft cabin	China	B1: Source of indoor air pollutants	oral
HP0201	Xiang, Jianbang	Jinhan Mo, Yinping Zhang, Mu Li	Dynamic preparation of multi-component volatile organic compounds via microsyringe pump	China	B1: Source of indoor air pollutants	oral
HP0650	Xiu, Guangli	Xin Wu, Lina Wang, Fangfang Wang, Yuankai Zhang, Bizheng Yu, Zhangyuanhui Wang, Yuanxiang Chen, Fangyuan Xu, Laiming Wu	Investigation of particulate matter in a museum in Shanghai, China	China	B1: Source of indoor air pollutants	oral
HP1313	Xu, Bo	Zhenqian Chen, Qiang Ma	Effect of high-voltage electric field on formaldehyde diffusion within building materials	China	B1: Source of Indoor air pollutants	oral
HP0475	Zaitseva, Nina	Irina May, Nadezhda Kriulina	Simulation and instrumental examination of indoor air for formaldehyde, styrene and ethylbenzene, migrating from building and home decoration materials in the presence of combined use	Russia	B1: Source of Indoor air pollutants	oral
HP0248	Zhang, Qin	Xiao Sun, Xudong Yang, Jan Sundell	A pilot study of volatile organic compounds emitted by the whole body, exclusive of exhaled breath	China	B1: Source of indoor air pollutants	oral

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HP0892	Almand-Hunter, Berkeley	Joanna Gordon, Nick Masson, Michael P. Hannigan, Shelly L. Miller	Dust exposure in indoor climbing facilities	USA	B2: Particles	oral-poster
HP0326	Apostoloski, Zoran	Silvia Vilcekova	Indoor concentrations of particulate matters at domestic homes	Macedonia	B2: Particles	oral-poster
HP0368	Arpino, Fausto	Giorgio Buonanno, Gino Cortellessa, Aldo Russi, Mauro Scungio, Paolo Vigo	Numerical assessment of human particle exposure from cooking activities	Italy	B2: Particles	oral
HP0627	Boor, Brandon	Joonas Koivisto, Kaarle Hämeri, Atila Novoselac, Ying Xu	Infant crawling-induced resuspension of settled floor dust	USA	B2: Particles	oral
HP1068	Cai, Wei	Hiroshi Yoshino, Shengwei Zhu, U Yanagi, Zhubing Jing	Particulate matter air pollution in children's residential environments in Wuhan, China	China	B2: Particles	oral
HP1064	Canha, Nuno	Susana M. Almeida, Maria C. Freitas, Hubert T. Wolterbeek	Indoor particles in scholar environments by passive deposition methodology: applicability and source apportionment	Portugal	B2: Particles	oral
HP1224	Chernyi, Konstantin		A methodology for corona air ionizer usage when conducting correction of indoor air ion composition	Russia	B2: Particles	oral
HP0653	Cui, Mingyu	J.S. Park	Deposition and resuspension of particles on supply air duct in mechanically ventilated residential buildings	Korea South	B2: Particles	oral-poster
HP1301	Da, Guillaume	Evelyne Gehin, Benoit Bonnet, Stéphane Delaby, Sébastien Ritoux, Thi-Lan Ha, Enric Robine	A multi-scale experimental approach for studying emission, transport, and deposition of respiratory droplets in indoor environments	France	B2: Particles	oral
HP1238	Fan, Li	Song Pan, Jiaping Liu, Jingchao Xie, Jinshun Wu, Zuo Chen, Xinru Wang	Variation law of PM2.5 in subway station of northern area in China	China	B2: Particles	oral
HP1387	Hu, Shih-Cheng	Ivy Shiue, Angus Shiue, Yu-Min Hsu, Yi-Sung Ke	Validation of leak test models for pharmaceutical isolators	Taiwan	B2: Particles	oral
HP0190	Huang, Lihui	Weiping Zhao, Mu Li, Zhongnan Pu, Jan Sundell, Yinping Zhang	Relationship between indoor and outdoor PM2.5 for residential buildings in Beijing, China	China	B2: Particles	oral
HP1167	Hwang, Do Yeon	Duck-Shin Park, Mona Loraine M. Barabad, Shin D.O. Kim	Component analysis of nano particles in subway tunnels	Korea South	B2: Particles	oral-poster
HP0349	Ji, Wenjing	Bin Zhao	Comparison of contribution of outdoor particles between indoor sources to indoor PM2.5 concentration and associated exposure: a preliminary modeling study	China	B2: Particles	oral
HP0340	Jiang, Yu	Lin Lu, Ke Sun	Study of different self-cleaning technologies in reducing particle deposition under dry environment	Hong Kong	B2: Particles	oral
HP1059	Jung, Chien-Cheng	Ching-Chang Lee, Chia-Wei Lee, Huey-Jen Su	Sources, elemental composition and health risks of fine particle in office spaces	Taiwan	B2: Particles	oral-poster
HP1391	Li, Xiangdong	Yihuan Yan, Jiyuan Tu	Comparison of the Eulerian-Eulerian and Eulerian-Lagrangian models for simulating particulate contaminant transport in indoor spaces	Australia	B2: Particles	oral
HP0305	Liaud, Céline	Maurice Millet, Thierry Dintzer, Valérie Tschamber, Gwénaëlle Trouve, Stéphane L.E. Calvé	Development of a 3-stage cascade impactor sampling method to measure particle-bound PAHs in indoor air	France	B2: Particles	oral

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HP0423	Mei, Xiong	Tengfei (Tim) Zhang, Shugang Wang	Measuring resuspension of deposited particles induced by sneezing jets	China	B2: Particles	oral
HP0803	Mercier, Fabien	Erwann Gilles, Gaëlle Raffy, Philippe Glorennec, Corinne Mandin, Barbara L.E. Bot	A multi-residue method for the simultaneous analysis of several classes of semi-volatile organic compounds in airborne particles	France	B2: Particles	oral
HP0863	Merzsch, Stephan	utomo S. Wasisto, Ina Kirsch, Erwin Peiner, Erik Uhde	An integrated personal monitor for engineered nanoparticles	Germany	B2: Particles	oral-poster
HP1096	Michael, Sabrina	Wolfgang Dott	Toxic effects and chemical characteristics of ambient particulate matter	Germany	B2: Particles	oral
HP0325	Offermann, Francis	Aaron Eagan, Aidan C. Offermann, Lewis J. Radonovich	Infectious disease aerosol exposures with and without surge control ventilation system modifications	USA	B2: Particles	oral
HP0951	Orch, Zeineb	Michael Waring, Brent Stephens	Predictions and determinants of size-resolved particle infiltration factors in single-family homes in the U.S.	USA	B2: Particles	oral
HP0865	Ou, Cuiyun	Qihong Deng, Jiao Chen	Numerical simulation of airflow and particle deposition in the whole human tracheobronchial airways	China	B2: Particles	oral
HP1141	Park, Duckshin	Mona Loraine Barabad, Yong Il Lee, Wonseok Jung, Wootae Jeong, Soon-Bark Kwon, Youngmin Cho	Particulate matters levels in subway	Korea South	B2: Particles	oral
HP0905	Polednik, Bernard	Marzenna Dudzińska, Izabela Bilska	Particle concentration changes during masses in a church	Poland	B2: Particles	oral-poster
HP0569	Qian, Jing	Jordan Peccia, Andrea R. Ferro	Walking-induced particle resuspension in indoor environments: a review	USA	B2: Particles	oral
HP0657	Seo, Chung-Kook	Byung-Duk Seo, Jun-Seok Park	A field study on particle resuspension from supply air duct in mechanically ventilated residential buildings	Korea South	B2: Particles	oral-poster
HP0945	Shi, Shanshan	Shanshan Shi, Bin Zhao	Deposition velocity of fine and ultrafine particles onto manikin surfaces in different air speed indoor environments	China	B2: Particles	oral-poster
HP1267	Spilak, Michal	Marie Frederiksen, Barbara Kolarik, Lars Gunnarsen	Evaluation of contribution of human activities indoors to total concentration of UFP indoors	Denmark	B2: Particles	oral
HP0624	Sul, Kyung	Yilin Tian, Goodarz Ahmadi, Andrea R. Ferro	Effects of human walking factors on particle resuspension fraction	USA	B2: Particles	oral-poster
HP0079	Wang, Jinliang	Tin-Tai Chow, Fujiang Chen, Shuli Wang, Qiang Guo, Jianfang Chen, Li Tao, Wei Ji	Dynamic investigation on bacteria-carrying particles distribution in operating theatre under the walking impact of a scrub nurse	China	B2: Particles	oral
HP0684	Zhang, Jinping	Angui Li, Desheng Li, Jianong Li	Study on polydisperse particle deposition in a wind tunnel	China	B2: Particles	oral-poster
HP0940	Zou, Zhijun	Chen Huang, Hao Li, Jiao Cai, Xin Wang	Experimental study for the effect of building air tightness on indoor particle concentration	China	B2: Particles	oral

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HP0876	Bolashikov, Zhecho Dimitrov	Maria I. Barova, Arsen K. Melikov	Control of exposure to exhaled air from sick occupant with wearable personal exhaust unit	Denmark	B3: Control of indoor environment	oral
HP0855	Boulet, Sylvain	Jean-Luc Kouyoumji	Multi-criteria decision analysis applied to the control of thermal, olfactory, visual and acoustic indoor environment	France	B3: Control of indoor environment	oral
HP0321	Brandt, Stefan	Martin Kriegel	Pressure maintenance and air quality control in rooms with higher physical boundary conditions	Germany	B3: Control of indoor environment	oral
HP0851	Cable, Axel	Mads Mysen, Kari Thunshelle	Can demand controlled ventilation replace space heating in office buildings with low heating demand?	Norway	B3: Control of indoor environment	oral-poster
HP0522	Chan, Wanyu	Toshifumi Hotchi, William J. Fisk	Automated control of ventilation and filtration to improve indoor air quality in residences	USA	B3: Control of indoor environment	oral
HP0050	Chang, Chia-Wen	Chen-Yi Lin, Yi-Hsing Lin, Hsin-Ta Hsueh, Hsin Chu	Ce, S Co-doped TiO ₂ for photocatalyst degradation of dimethyl sulfide under visible light: parameters study	Taiwan	B3: Control of indoor environment	oral-poster
HP0466	Chang, Xiaomin	Zhichao Deng, Xiaobo Li, Ping Chen	Integrated indoor environment control system for hotels	China	B3: Control of indoor environment	oral
HP1016	Chen, Jianchang	Chen Huang, Liugen Lv, Zhijun Zou	The experimental method to separate the convective heat transfer and radiant heat transfer in heat conduction of the wall	China	B3: Control of indoor environment	oral-poster
HP0137	Cheng, Rui	John Little, Wenjuan Wei, Yinping Zhang	Simultaneous and effective control of indoor climate and air quality: framework and preliminary evaluation	China	B3: Control of indoor environment	oral
HP0234	Cheng, Yong	Zhang Lin, Weiqin Wu, Ting Yao	Performance evaluation of stratum ventilation with slot diffuser using CFD	Hong Kong	B3: Control of indoor environment	oral
HP1046	Chuah, Yew	Shih P. Chuang	Air distribution and draught rate analysis for chilled beam cooling system	Taiwan	B3: Control of indoor environment	oral
HP1273	Collins, Thomas	Alison G. Kwok, Sophia E. Duluk	Visible ventilation: validating & illustrating the performance of a hybrid ventilation system in the united states	USA	B3: Control of indoor environment	oral
HP0339	Fraňa, Karel	Miloš Müller, Jianshun S. Zhang	The effect of the window temperature on the thermal comfort in a room heated by a floor convector	Czech Republic	B3: Control of indoor environment	oral
HP0971	Fu, Bailin	Yang Lv, Chenguang Liu, Yuhang Shu	Research on fungal microorganisms growth of central air conditioning system under various thermal conditions	China	B3: Control of indoor environment	oral
HP0299	Guglielmino, Maud	Alaa Allouch, Pierre Bernhardt, Christophe A. Serra, Stéphane L.E. Calvé	Progress in the development of a colorimetric analytical method for on-line gaseous formaldehyde detection	France	B3: Control of indoor environment	oral
HP0409	Haugen, Elisabeth	Monica Berner, Maria J. Alonso, Frode Frydelund, Bjarne Malvik	Hygienic and Microbiological (HYGMIC) evaluation of air intake and plants – ten-years-experience	Norway	B3: Control of indoor environment	oral

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HP1341	Huang, Jeng-Min	Fu-Jen Wang, Chen-Ku Li	A numerical investigation of flow and concentration fields in an operation room at low inlet air speed	Taiwan	B3: Control of indoor environment	oral-poster
HP1442	Huang, Pei	Gongsheng Huang	Uncertainty analysis of peak cooling load calculation for HVAC system design	Hong Kong	B3: Control of Indoor Environment	oral-poster
HP0871	Ilacqua, Vito	John Dawson, Michael Breen, Sarany Singer, Ashley Berg	Effects of climate change on residential indoor-outdoor air exchange	USA	B3: Control of indoor environment	oral
HP1246	Jia, Jing bo	Pengyi Zhang	Manganese-based catalysts for ozone decomposition	China	B3: Control of indoor environment	oral-poster
HP0482	Jiang, Hui	Youming Chen, Jian Liu, Zhixiong Ding, Qigao Fu, Changliang Jiang	Self-adaptive control to improve energy efficiency and thermal comfort for variable air volume system	China	B3: Control of indoor environment	oral
HP0821	Kalliomäki, Petri	Pekka Saarinen, Julian W Tang, Hannu Koskela	Airflow patterns through a single hinged and a sliding-door in hospital isolation room	Finland	B3: Control of indoor environment	oral
HP1335	Keller, Markus	Udo Gommel, Alexander Verl	Controlled environments for VOC-sensitive manufacturing processes: from material classification to controlled IAQ in cleanrooms	Germany	B3: Control of indoor environment	oral
HP0508	Krajčík, Michal	Angela Simone, Roberta Tomasi, Bjarne W. Olesen	Evaluation of the indoor environment in an office room equipped by displacement ventilation and radiant floor cooling	Slovakia	B3: Control of indoor environment	oral
HP0618	Kulve, Marije	Marcel Loomans, Emelieke Huisman, Helianthe Kort	Indoor air in long term care facilities and spread of infectious diseases	Netherlands	B3: Control of indoor environment	oral
HP0826	Lee, Sihwan	Beungyong Park, Takashi Kurabuchi	The effects of moving objects on the transport of indoor air pollutants	Japan	B3: Control of indoor environment	oral
HP0791	Li, Jinge	Pengyi Zhang	Manganese oxides films loading on activated carbon via in-situ reduction for formaldehyde removal at room temperature	China	B3: Control of indoor environment	oral
HP1441	Liao, Yundan	Gongsheng Huang, Yongjun Sun	Uncertainty impacts on reliability and energy-efficiency of chiller sequencing control	China	B3: Control of indoor environment	oral-poster
HP0306	Liaud, Céline	Pierre Bernhardt, Stéphane L.E. Calvé	Highlighting indoor physico-chemical processes through the temporal monitoring of VOCs concentrations using an automatic sampler coupled to GC analysis	France	B3: Control of indoor environment	oral-poster
HP0047	Lin, Yi-Hsing	Chia-Wen Chang, Chen-Yi Lin, Hsin Chu	A characteristic and kinetic study on photo-degradation of dimethyl disulfide by S/Zn co-doped TiO ₂ under visible light	Taiwan	B3: Control of indoor environment	oral-poster
HP0397	Luengas, Angela	Cécile Hort, Vincent Platel, Sabine Sochard, Ana Elias, Astrid Barona, Michel Ondarts, Anne Reguer, Gorca Gallastegui	Coupling biofiltration and adsorption to treat indoor VOCs	France	B3: Control of indoor environment	oral
HP0213	Luo, Xilian	Xiangzhao Meng, Tianyu Li, Zhaolin Gu	Measurement and evaluation of a local environmental control system for relics preservation in archaeology museum	China	B3: Control of indoor environment	oral

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HP0467	Ma, Aiming	Xiaorui Lin, Sumei Liu, Yulong Liu, Hao Li, Yi Jiang	Design strategies for effective fresh air system suitable to residential buildings in China	China	B3: Control of indoor environment	oral-poster
HP0075	Markowicz, Pawel	Lennart Larsson	Improving the indoor air quality in a school building by using a surface emissions trap	Sweden	B3: Control of indoor environment	oral-poster
HP1043	Matsumoto, Hiroshi	Toi Matsuyama, Misato Baba, Yuji Ito, Tomoka Tanishita	Thermal performance of an energy efficient airflow window in buildings	Japan	B3: Control of indoor environment	oral-poster
HP0767	Matsunaga, Hiroki	Satoru Iizuka, Masaya Okumiya, Gyuyoung Yoon, Hideharu Niwa, Yingli Xuan	Numerical investigation on different operation controls of a multi-split air-conditioning system during a power-saving period	Japan	B3: Control of indoor environment	oral
HP1509	Meadow, James		What's in your personal microbial cloud?	USA	B3: Control of indoor environment	oral
HP0385	Mentese, Sibel	Osman Cotuker, Burak Selcuk	Contribution of Rotor-Turbine Ventilator (RTV) on indoor air quality of a cafeteria	Turkey	B3: Control of indoor environment	oral-poster
HP0480	Nakai, Satoshi	Jun Kohzaki, Sayaka Murata, Yukio Yanagisawa	A longitudinal study about house characteristics and indoor environment	Japan	B3: Control of indoor environment	oral-poster
HP1050	Nam, In-Sick	Hyeon-Ju Oh, Jinman Kim, Jinho Yang, Jong-Ryeul Sohn	Penetration of outdoor particles and NO2 into the building	Korea South	B3: Control of indoor environment	oral-poster
HP1448	Offermann, Francis		Chemical emissions from e-cigarettes: direct and indirect passive exposures	USA	B3: Control of indoor environment	oral
HP1048	Oh, Hyeon-Ju	In-Sick Nam, Jinman Kim, Jinho Yang, Jong-Ryeul Sohn	Assessment of particles and bio-aerosols distributed within a building located in heavy traffic area	Korea South	B3: Control of indoor environment	oral
HP1129	Ooura, Keisuke	Katsuhiko Urano	High-temperature cooling & low-temperature heating AC system (Part 1). Evaluation of energy saving in an office in Tokyo	Japan	B3: Control of indoor environment	oral
HP1072	Qin, Jun	Chen Huang, Xin Wang	Design of salt water model experiment based on large space air-conditioned with low-sidewall air supply and research on energy ratio entrained by medium-height return air grille	China	B3: Control of indoor environment	oral
HP1103	Ramalho, Olivier	Guillaume Wyart, Corinne Mandin, Patrice Blondeau, Pierre-André Cabanes, Nathalie Leclerc, Jean-Ulrich Mullot, Guillaume Boulanger, Matteo Redaelli	Association of carbon dioxide with indoor air pollutants and exceedance of health guideline values	France	B3: Control of indoor environment	oral
HP1019	Rose, William	Paul W. Francisco, Zachary Merrin	Radon reduction through floor air sealing	USA	B3: Control of indoor environment	oral-poster
HP1322	Scutaru, Ana Maria	Christine Daeumling	AgBB strategies for reduction of VOC emissions from indoor products – experiences and progress in harmonisation in Europe	Germany	B3: Control of indoor environment	oral-poster
HP1051	Shaughnessy, Richard	Ulla Haverinen-Shaughnessy, Greg Whiteley, Nisha Shakila, Eugene Cole	An assessment of effectiveness of cleaning critical surfaces in elementary schools	USA	B3: Control of indoor environment	oral
HP1031	Su, Chunxiao	Josephine Lau, Shawn G. Gibbs	A field test to performance of upper-room UVGI in elementary school	USA	B3: Control of indoor environment	oral
HP1075	Tsao, Yung-Chieh	Yaw-Huei Hwang	An intervention study on the absence of the upper respiratory infection in the water-damaged indoor environment of a kindergarten	Taiwan	B3: Control of indoor environment	oral-poster

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HP1130	Urano, Katsuhiro	Keisuke Ooura, Satoru Kuno, Teruyuki Saito	High-temperature cooling & low-temperature heating AC system (Part 2). Evaluation of thermal comfort with all air supplied induction radiant and laminar flow AC	Japan	B3: Control of indoor environment	oral
HP0880	Uth, Simon	Linette Nygaard, Zhecho D. Bolashikov, Arsen K. Melikov, Risto Kosonen, Panu Mustakallio, Ilari Aho	Human response to individually controlled micro environment generated with localized chilled beam	Denmark	B3: Control of indoor environment	oral
HP1085	van Berkel, Samuel		Limitations of carbon monoxide controlled garage ventilation	Canada	B3: Control of indoor environment	oral
HP1421	Vladykova, Petra	Francesco Errico	Practical investigation of IEQ measurements in an office-retail building	Sweden	B3: Control of indoor environment	oral
HP0516	Wang, Fujen	Mengchieh Lee, Tongbou Chang, Chunyuan Hsu	Evaluation of indoor environment parameters and energy-efficient HVAC system for an unoccupied operating room	Taiwan	B3: Control of indoor environment	oral
HP0492	Wang, Fulin	Zheliang Chen, Yi Jiang, Qianchuan Zhao, Yin Zhao	Preliminary study on perception-based indoor thermal environment control	China	B3: Control of indoor environment	oral
HP1179	Wang, Huan	Chen Huang, Qianru Zhang	A study on the purging flow rate and local mean age of air in a large space building with side-wall air supply and stratified air conditioning system	China	B3: Control of indoor environment	oral-poster
HP1120	Wang, Jinlong	Pengyi Zhang	In-site deposition of birnessite nanosphere on polyester fiber for formaldehyde removal at room temperature	China	B3: Control of indoor environment	oral
HP0271	Wang, Kai-Feng	Chao-Heng Tseng, Shau-Yuan Liu, Huang-Chin Wang, Sy-Yuan Kang	Indoor air quality diagnostic expert system for optimal improvement measures	Taiwan	B3: Control of indoor environment	oral
HP0465	Wang, Pengfei	Haoran Wei, Yi Jiang	Field measurement and analysis of air quality inside subway	China	B3: Control of indoor environment	oral-poster
HP0214	Wang, Xiaoliang	Lei He, Bo Lei, Haiquan Bi	A prediction method for the indoor air relative humidity of the room with constant temperature and humidity based on the heat balance	China	B3: Control of indoor environment	oral
HP0727	Wang, Yu	Zhou Lingchang	Experimental investigations on characterization of mini-environments in a cleanroom with non-unidirectional airflow	China	B3: Control of indoor environment	oral-poster
HP0120	Xu, Yao	Xiaosong Zhang, Qing Cheng	A novel air dehumidification method using electrodialysis	China	B3: Control of indoor environment	oral
HP1405	Xu, Yuzhen	Chao Zheng, Yifan Huang, Zhen Liu, Keping Yan	Inactivation of bio-aerosols by non-thermal plasma	China	B3: Control of indoor environment	oral-poster
HP0595	Xue, Yu	Zhiqiang (John) Zhai	Comparison and integration of generic algorithm and adjoint algorithm for optimizing indoor environments	China	B3: Control of indoor environment	oral
HP0308	Yang, Jun	Menghao Qin	Analysis of indoor hygrothermal conditions in residential buildings during the plum rain season in Southeast China	China	B3: Control of indoor environment	oral

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HP0318	Yuan, Yongli	Xiang Zhou, Xu Zhang	Experimental research on ceiling radiant panel combined with different air distribution system	China	B3: Control of indoor environment	oral
HP0540	Zhang, Changbin	Yaobin Li, Hong He	Sodium promoted Pd/TiO ₂ for catalytic oxidation of formaldehyde at ambient temperature	China	B3: Control of indoor environment	oral-poster
HP1061	Zhang, Qianru	Chen Huang, Huan Wang, Zhijun Zou	The characteristics of the air temperature distributions with different heat source powers in a large space building under the stratified air conditioning system with low-sidewall air inlets and middle-height air outlets	China	B3: Control of indoor environment	oral-poster
HP0058	Zhang, Xianping	Xinli Wei, Xiaoge Chen, Huan Ma, Huanlin Duan	Assessment of boiler and heat pump using R744 based natural mixture as working fluid	China	B3: Control of indoor environment	oral-poster
HP0728	Zhao, Haitian	Borong Lin, Fan Lu, Ye Zhao, Yanchen Liu, Bo Peng	A field study of indoor environment quality of super high-rise buildings with temperature and humidity independent control system	China	B3: Control of indoor environment	oral
HP0916	Zhu, Rui	Joon-Ho Choi, Douglas Noble, Karen Kensek	Visual environmental quality control using human physiological signal in an office workplace	USA	B3: Control of indoor environment	oral-poster
HP1188	Yamashita, Kohtaro	Hiroataka Ide, Hiroshi Asada, Yasunori Narita, Atsuo Nozaki	A study on adsorption performance of sorptive building materials for chemical and odor substances	Japan	B3: Control of indoor environment	oral-poster

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HP0216	Ai, Zhengtao	Cheuk-Ming Mak, Dongjin Cui	Comparison of single-sided ventilation characteristics between single-room and multistory buildings due to wind effect	Hong Kong	B4: Ventilation	oral
HP0723	An, Karl	Jimmy C.H. Fung, David C. Wong	Pollutant penetration into idealized naturally ventilated residences by wind driven flow using CFD approach	China	B4: Ventilation	oral
HP0053	Atwal, Loveleen	Rodrigo Mora, Gamal Mustapha	Ventilation for a house as a system	Canada	B4: Ventilation	oral
HP1090	Björling, Mikael	Dan Jönsson, Hans Bagge, Dennis Johansson	Air infiltration into naturally ventilated apartments in multifamily dwellings	Sweden	B4: Ventilation	oral
HP0875	Bolashikov, Zhecho Dimitrov	Arsen K. Melikov, Lauris Rezgals, Aleksandra Lipczynska, Panu Mustakallio, Risto Kosonen, Ilari Aho	Comparison of radiant and convective cooling of office room: effect of workstation layout	Denmark	B4: Ventilation	oral
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HP0069	Chen, Bin	Stefano Schiavon, Fred S. Bauman, Qingyan Chen	A comparison between two Underfloor Air Distribution (UFAD) design tools	USA	B4: Ventilation	oral
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HP0545	Cheng, Yong	Zhang Lin, Ting Yao, Weiqin Wu	Numerical comparison of indoor air quality and local thermal comfort in a classroom with three ventilation methods	Hong Kong	B4: Ventilation	oral
HP0639	Cheng, Yuanda	Jianlei Niu, Zhenyu Du, Yonggang Lei	Alternative stratified air distribution designs in a terminal building	China	B4: Ventilation	oral
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HP0218	Cui, Dongjin	Cheuk-Ming Mak, Zhengtao Ai	Effect of an upstream building on natural ventilation performance of multi-story buildings	Hong Kong	B4: Ventilation	oral-poster
HP0712	Cui, Shuqing	Riccardo Issoglio, Juslin Koffi, Mohamed E.L. Mankibi, Pascal Stabat, Dominique Marchio	Performance evaluation of natural ventilation through windows with horizontal blade shutters	France	B4: Ventilation	oral
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HP0807	Diallo, Thierno	Bernard Collignan, Francis Allard	Impact of building ventilation systems on the operation of passive soil depressurization systems	France	B4: Ventilation	oral

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HP1311	Fang, Min	Henggen Shen	Numerical study on efficiency of natural ventilation in a long-span mine-selecting plant in cold area	China	B4: Ventilation	oral-poster
HP0967	Freitag, Henning	Christian Kampers, Martin Schmidt, Dirk Müller	A fast laser optical method for the evaluation of the ventilation effectiveness	Germany	B4: Ventilation	oral-poster
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HP0660	Justo Alonso, Maria	Hans Martin Mathisen, Johan Halvarsson	Case study of window and ventilation refurbishment - simulation on indoor environment quality	Norway	B4: Ventilation	oral
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HP1354	Kalamees, Targo	Alan Väli, Urve Kallavus, Lembit Kurik, Üllar Alev	Indoor climate and ventilation in Estonian manor schools	Estonia	B4: Ventilation	oral-poster

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HP1009	Kolarik, Jakub		CO2 sensor versus Volatile Organic Compounds (VOC) sensor – analysis of field measurement data and implications for demand controlled ventilation	Denmark	B4: Ventilation	oral-poster
HP0395	Kong, Meng	Jianshun Zhang, Jingjing Wang	Air and air contaminant flows in office cubicles with and without personal ventilation: a CFD modelling and simulation study	USA	B4: Ventilation	oral
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HP0283	Leiblein, Thomas	Annika Feige, Marcel Janser, Christian Monn, Holger Wallbaum, Lukas Windlinger, Thomas Hofmann	Field study of natural, mechanical and hybrid ventilation systems of 27 office buildings in the temperate zone country Switzerland	Switzerland	B4: Ventilation	oral
HP0504	Li, Fei	Bingye Li, Junjie Liu	A method to measure three dimensional airflow rates in an aircraft cabin	China	B4: Ventilation	oral
HP0632	Li, Haoru	Meiwei Qi, Xiaofeng Li	Field testing of natural ventilation in college student dormitories in Beijing, China	China	B4: Ventilation	oral
HP0427	Liang, Chao	Xianting Li, Xiaoliang Shao, Luping Wang, Chong Shen, Huiying Ma	Analysis on energy saving potential of FCUs with cooling water in the upper zone in large-space buildings with stratified air-conditioning system	China	B4: Ventilation	oral
HP0428	Liang, Chao	Xuan Jiang, Xiaoliang Shao, Luping Wang, Xianting Li	Equivalent contaminant source: a new index to evaluate the local ventilation performance	China	B4: Ventilation	oral
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HP1254	Lin, Xingbin	Josephine Lau	CO2-based dynamic reset of outdoor airflow rate for multiple zone HVAC systems	USA	B4: Ventilation	oral
HP0866	Lu, Pengfei	Zhecho D. Bolashikov, Arsen K. Melikov	Experimental study on human exposure to occupant generated pollutants in rooms with ductless personalized ventilation	Denmark	B4: Ventilation	oral

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HP1104	Tang, Shiu-Keung		Effects of wing-wall on the natural ventilation in nearby indoor spaces	Hong Kong	B4: Ventilation	oral
HP0542	Toda, Yuta	Keiji Kameishi, Kazuhide Ito	Long-term field measurements and performance assessment of CO ₂ -demand-controlled energy recovery ventilator	Japan	B4: Ventilation	oral
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HP0373	Zhang, Zhuopeng	Lihua Zhao	Research on indoor natural ventilation of enclosed housing estates in Guangzhou	China	B4: Ventilation	oral-poster
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HP1382	Zhou, Junli	Danling Fan, Guoqiang Zhang, Yan Hu, Yaolin Lin	Calculation of single-sided ventilation due to unsteady wind pressure – Part 2 mean flow rate and numerical simulation	China	B4: Ventilation	oral-poster

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HP0711	Aldred, Josh	Richard Corsi	A method to estimate the health benefits of activated carbon filtration	USA	B5: Filtration and air cleaning	oral
HP0714	Aldred, Josh	Erin Darling, Richard Corsi	A benefit-cost analysis of activated carbon filtration in long-term healthcare facilities	USA	B5: Filtration and air cleaning	oral
HP0433	Batault, Frédéric	Olivier Debono, Cécile Raillard, Valérie Hequet, Yves Andres, Frédéric Thevenet, Nadine Locoge, Laurence L.E. Coq	Influence of operating parameters of photocatalytic systems on the degradation of an indoor VOC mixture	France	B5: Filtration and air cleaning	oral-poster
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HP0615	Blondeau, Patrice	Céline Seguy, Jérôme Nicolle, Marc O. Abadie	Experimental characterization and modeling of a functional wall covering removing formaldehyde from the indoor air	France	B5: Filtration and air cleaning	oral
HP1383	Boni, Andre	Gloria Geng	PM2.5 & PM1 health impact and importance of changing filter standards in HVAC filtration	China	B5: Filtration and air cleaning	oral
HP1022	Capetillo, Azael	Catherine J. Noakes, P. Andrew Sleight, Amirul Khan	In-Duct UVGI air sterilisation: optimisation study for high performance energy efficient systems	United Kingdom	B5: Filtration and air cleaning	oral
HP0997	Carter, Ellison	Lynn E. Katz, Gerald E. Speitel Jr	Nitrogen-doping granular activated carbon to enhance surface-mediated removal of formaldehyde from indoor environments	USA	B5: Filtration and air cleaning	oral
HP0673	Chen, Ailu	Qingliang Cao, Jin Zhou, William W. Nazaroff, Bin Yang, Victor W.C. Chang	Indoor/outdoor pollutant relationships in an air-conditioned room during and after the 2013 haze in Singapore	Singapore	B5: Filtration and air cleaning	oral
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HP0181	Gao, Zhi	Jianshun Zhang	Experimental evaluation of pollutant emissions from room air cleaners	China	B5: Filtration and air cleaning	oral
HP0105	Ginestet, Alain	Dominique Pugnet, Laure Mouradian	Performances, classification and impact on energy consumption of air filters for balanced ventilation systems with heat recovery for dwellings	France	B5: Filtration and air cleaning	oral
HP0392	Gonzalez, Luisa	Aurélie C. Joubert, Yves Andres, Christophe Renner, Myriam Liard, Laurence L.E. Coq	Filtration performances of fibrous filters clogged with PM10 and microbial aerosols: influence of ventilation stops in lab-scale-HVAC-unit	France	B5: Filtration and air cleaning	oral

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HP0064	Han, KwangHoon	Jensen S. Zhang	Indoor relative performance and challenges of activated carbon and non-AC filtration techniques in reducing high and low concentrations of outdoor pollutants-O ₃ /NO ₂	USA	B5: Filtration and air cleaning	oral
HP0295	Hasegawa, Asako	Kei Toda, Seiya Tanaka, Takumi Murozumi	Mini-scale experiments to evaluate gaseous chemical removal efficiency of interior finishing materials	Japan	B5: Filtration and air cleaning	oral-poster
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HP0680	Hou, Yuefei	Xiaotong Yin, Xin Zhang, Junjie Liu, Jingjing Pei, Zhiqiang Wang	Performance of air cleaners for removing gaseous and particulate pollutants	China	B5: Filtration and air cleaning	oral
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HP0751	Joe, Yun haeng	Kyoungja Woo, Jungho Hwang	Capturing and inactivation of airborne virus with SiO ₂ -Ag nanoparticle coated air filter	Korea South	B5: Filtration and air cleaning	oral
HP1209	Kagawa, Kenkichi	Toshio Tanaka, Yoshio Okamoto, Tatsumi Enokida, Yasunori Narita, Atsuo Nozaki	Dust removal performance of air purifier using ESP technology for PM _{2.5} and nanoparticles	Japan	B5: Filtration and air cleaning	oral
HP0888	Lee, Eon	David C.C. Fung, Yifang Zhu	Development of a High Efficiency Cabin Air (HECA) filtration system to reduce children's exposure to air pollutants inside schools buses	USA	B5: Filtration and air cleaning	oral
HP1145	Lee, Wan-Chen	Jack Wolfson, Jun Young Yoo, Petros Koutrakis	Air purifier performance and the spatial variation in a single residential room	USA	B5: Filtration and air cleaning	oral-poster
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HP0782	Noh, Kwang-Chul	Myung-Do Oh, Sung-II Cha	Study on effective air cleaning ranges of air cleaners in rooms	Korea South	B5: Filtration and air cleaning	oral
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HP0934	Pham, Thanh-Dong	Byeong-Kyu Lee, Chi-Hyeon Lee	Application of metal doped TiO ₂ /glass fiber for bioaerosol disinfection under visible	Korea South	B5: Filtration and air cleaning	oral-poster
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HP1041	Siegel, Jeffrey	Atila Novoselac, Glenn C. Morrison	A laboratory method for measuring ozone emission from in-duct air cleaners	Canada	B5: Filtration and air cleaning	oral
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HP1032	Su, Chunxiao	Josephine Lau, Fang Yu	Applying real-time bioaerosol monitor to evaluate upper-room UVGI in Classroom	USA	B5: Filtration and air cleaning	oral
HP1205	Tanaka, Toshio	Kenkichi Kagawa, Yasunori Narita, Atsuo Nozaki	Evaluation methodology of removal performance of portable air purifiers for gaseous substances	Japan	B5: Filtration and air cleaning	oral
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HP0801	Wang, Juan	Pengyi Zhang, Bo Zhang	Development of air cleaners based on the integration of advanced oxidation and water washing	China	B5: Filtration and air cleaning	oral-poster
HP1364	Wu, Yiren	Gabriel M. Manzo, George G. Chase, Henggen Shen	Experimental study on thickness shrinkage of fine fibrous media in gas-liquid coalescence filtration	China	B5: Filtration and air cleaning	oral
HP0187	Yuen, Wai	Sau C. Fu, Christopher Y.H. Chao	An energy efficient air filtration technique with acoustic radiation force and acoustic streaming	Hong Kong	B5: Filtration and air cleaning	oral

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HP0491	Bourdin, Delphine	Pierre Mocho, Valérie Desauziers, Hervé Plaisance	Formaldehyde emission behavior of building materials: on-site measurements and modeling approach to predict indoor air	France	B6: Prediction & measurement	oral
HP0122	Cao, Jianping	Jianyin Xiong, Lixin Wang, Yiping Zhang	Measurement of gas-phase SVOCs using SPME: calibration method	China	B6: Prediction & measurement	oral
HP0484	Cao, Shi-Jie	Johan Meyers	Fast prediction of indoor pollutant dispersion based on low-dimensional reduced-order ventilation models	China	B6: Prediction & measurement	oral
HP0209	Cehlin, Mathias	Taghi Karimipanh, Ulf Larsson	Unsteady CFD simulations for prediction of airflow close to a supply device for displacement ventilation	Sweden	B6: Prediction & measurement	oral
HP1436	Chen, Fujiang	Pengcheng Zhao, Weidong Sun, Huanxin Chen, Jinliang Wang, Changling Wang, Qingsheng You	A simplified method of modelling fabric air dispersion system in penetration mode	China	B6: Prediction & measurement	oral
HP1419	Chen, Wenhao	Janet M. Macher, Kazukiyo Kumagai	Indoor dampness and mold as indicators of respiratory health risks, Part 6: comparison of champs simulation of the moisture content and water activity of gypsum wallboard to controlled laboratory measurements	USA	B6: Prediction & measurement	oral
HP1328	Chen, Yixing	Lixing Gu, Jianshun Zhang, Meng Kong	Energyplus and CHAMPS-Multizone co-simulation for energy and indoor air quality analysis	USA	B6: Prediction & measurement	oral
HP0665	Ching, Michael	Michael S.C. Yim, Simon H.C. Tsui, Kimson K.S. Leung	Energy performance of pre-conditioned air unit in Hong Kong international airport	Hong Kong	B6: Prediction & measurement	oral
HP1290	Da, Guillaume	M. Ben-Othmane, Michel Havet, Evelyne Gehin, Camille Sollic	Predicting particle deposition in large circular ventilation ducts for non-fully developed turbulent flow: experiments and modelling	France	B6: Prediction & measurement	oral
HP0481	Dai, Yunchuang	Ziyan Jiang, Shan Xin, Peizhang Chen, Sheng Li	Optimal control of variable speed parallel-connected pumps	China	B6: Prediction & measurement	oral
HP0398	Dallongeville, Arnaud	Denis Zmirou-Navier, Barbara Le Bot, Pierre L.E. Cann, Cécile Chevrier, Nathalie Costet, Séverine Deguen, Isabella Annesi-Maesano, Olivier Blanchard	The asthm'child project: study of indoor exposure to chemical and biological air contaminants known or suspected to affect respiratory health	France	B6: Prediction & measurement	oral-poster
HP0440	Dobiášová, Lucie	Daniel Adamovský	The indoor environment of an area with high occupancy	Czech Republic	B6: Prediction & measurement	oral-poster
HP0337	Duan, Ran	Yan Huang, Haishen Yin, Xiong Shen, Junjie Liu	Transient simulation of air environment in airliner cabins during takeoff	China	B6: Prediction & measurement	oral

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HP0336	Essah, Emmanuel	Stacey D. Waring	Effect of pollutants on the functionality of breathable roofing membranes in a bat roost	United Kingdom	B6: Prediction & measurement	oral
HP0827	Feng, Xiaohang	Da Yan, Hongsan Sun	Cluster analysis of questionnaire survey on occupant window operation modes	China	B6: Prediction & measurement	oral
HP0164	Gong, Mengyan	Liangpo Liu, Lihui Huang, Zhongnan Pu, Jinhan Mo, Jan Sundell, Heqing Shen, Charles J. Weschler, Yinping Zhang	Phthalate metabolites in urine samples from Beijing children and relationships with phthalate levels in their handwipes	China	B6: Prediction & measurement	oral
HP1229	Gormley, Michael	David A. Kelly, Thomas Aspray	Bio-aerosol cross-transmission via the building drainage system	United Kingdom	B6: Prediction & measurement	oral
HP0771	Hasegawa, Asako	U Yanagi, Naoki Kagi, Ken-Ichi Hasegawa, Naohide Shinohara, Keiko Abe, Hiroshi Yoshino	Indoor air quality and climate of emergency temporary housing in Aso City, Kumamoto	Japan	B6: Prediction & measurement	oral-poster
HP0264	He, Weibing	Hejiang Sun	Experiment and simulation of radiant/convective split from passenger in aircraft cabins	China	B6: Prediction & measurement	oral
HP1438	Huang, Shaodan	Jianyin Xiong, Yinping Zhang	Influence of temperature on the initial emittable concentration of formaldehyde in building materials: Interpretation and validation	China	B6: Prediction & measurement	oral-poster
HP0228	Huang, Yan	Jianmin Li, Bingye Li, Ran Duan, Junjie Liu, Xiong Shen, Qingyan Chen	Influence of sampling point distributions on the accuracy of indoor air environment measurements	China	B6: Prediction & measurement	oral
HP0273	Huang, Yu-Ju	Chao-Heng Tseng, Chung-Chin Yang, Sy-Yuan Kang, Huang-Chin Wang	The development of air quality wireless sensor network for indoor PM10 and PM2.5 prediction model	Taiwan	B6: Prediction & measurement	oral
HP1422	Kawaguchi, Makoto	Mark Mendell, George Chrysochou, Dennis Shusterman, Justine Hutchinson, Kazukiyo Kumagai	Indoor dampness and mold as indicators of respiratory health risks, Part 7: a review of Microbial Volatile Organic Compounds (MVOCs) observed under damp conditions	USA	B6: Prediction & measurement	oral
HP0517	Kim, Hyojin	Jeff Haberl	Exploring methods to analyze and display continuously-measured time-series IEQ performance data	USA	B6: Prediction & measurement	oral
HP1331	Kimura, Kentaro	Katsuhiko Shibata, Naoyuki Tanita, Masafumi Sato, Yasushi Kondo	Estimation method of cooling load in an underground station	Japan	B6: Prediction & measurement	oral-poster
HP0602	Knudsen, Sofie	Eva B. Møller, Elvira Bräuner	Building characteristics that determine moisture in 105 Danish homes	Denmark	B6: Prediction & measurement	oral
HP0512	Krajčík, Michal	Dušan Petráš, Juraj Bezák	System to monitor and control indoor environment for energy consumption optimization - a pilot study in a school building	Slovakia	B6: Prediction & measurement	oral-poster
HP0873	Kurabuchi, Takashi	Ryo Okamoto, Sihwan Lee, Marumi Funado, Yoshihiro Toriumi, Megumi Aibara	Measurement of capture efficiency of an exhaust hood in a commercial kitchen with disturbances	Japan	B6: Prediction & measurement	oral
HP1401	Lei, Lei	Shugang Wang, Tengfei (Tim) Zhang	An inverse method to determine wall boundary convective heat fluxes in indoor environments	China	B6: Prediction & measurement	oral
HP0641	Liang, Weihui	Fengna Chen, Xudong Yang	Volatile organic compound emissions from a "wet" material assembly in a small-scale environmental chamber and in two real houses	China	B6: Prediction & measurement	oral

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HP1023	Lin, Cheng-Chun	Liangzhu (Leon) Wang	Combining predictions and measurements for indoor environment forecasting	Canada	B6: Prediction & measurement	oral
HP0912	Lin, Yi-Jiun peter	Ting-Ya Tsai	Experimental measurements of indoor air stratification in the space using an under-floor air distribution system	Taiwan	B6: Prediction & measurement	oral-poster
HP1118	Liu, Cong	Charles J. Weschler, Yinping Zhang	Predicting size distributions of particle associated SVOCs in indoor environments based on dynamic gas-particle mass transfer	China	B6: Prediction & measurement	oral
HP1213	Liu, Li	Peter V. Nielsen, Rasmus L. Jensen, Chunwen Xu, Yuguo Li	Transport of expiratory droplet nuclei among three standing manikins	Denmark	B6: Prediction & measurement	oral
HP0103	Liu, Linlin	Xinke Wang, Yanyu Zhang	Numerical investigation on sampling process of an active SVOC sampler	China	B6: Prediction & measurement	oral
HP1176	Liu, Xiaoping	Jianlei Niu	Evaluation of turbulence models for simulating flow and heat transfer in cross-corrugated triangular channels	Hong Kong	B6: Prediction & measurement	oral-poster
HP0315	Liu, Xiaoyu	Nancy F. Roache, Matt R. Allen	Development of a small chamber method for SVOC sink effect study	USA	B6: Prediction & measurement	oral
HP0614	Lo, James		Particle image velocimetry experiments in a wind tunnel to study wind-driven airflow through building openings	USA	B6: Prediction & measurement	oral
HP0560	Mao, Yun-Feng	Zhuo Li, Wen-Quan Tao	Predicting emissions and transport of semi-volatile organic compounds in indoor environments: a review on mechanistic models	China	B6: Prediction & measurement	oral-poster
HP0883	Markov, Detelin	Arsen K. Melikov	Novel approach for evaluation of air change rate in naturally ventilated occupied spaces based on metabolic CO2 time variation	Bulgaria	B6: Prediction & measurement	oral
HP0703	Martuzevicius, Dainius	Darius Ciuzas, Tadas Prasauskas, Ruta Sidaraviciute, Lina Seduikyte, Andrius Jurelionis, Laura Gagyte, Violeta Kauneliene	Characterization of indoor pollution sources for a real - time management of IAQ	Lithuania	B6: Prediction & measurement	oral-poster
HP0696	McDonagh, Ann	Catherine J. Noakes	A comparison of the sampling efficiency of bioaerosol samplers and particle counters in natural and controlled environments	United Kingdom	B6: Prediction & measurement	oral
HP1070	McGrath, James	Miriam A. Byrne, M.R. Ashmore, A.C. Terry, C. Dimitroulopoulou	Simulating the effect of variations in emission source start times on indoor PM concentrations	Ireland	B6: Prediction & measurement	oral
HP0904	Nasir, Zaheer	Simon T. Parker, Luiza C. Campos	Exponential decay rate estimation using time-integrated aerosol sampling of variable duration	United Kingdom	B6: Prediction & measurement	oral-poster
HP0772	Nice, Jako		Air, surfaces and copper halos, interstitial microbial zones. Has it been measured; can it be predicted?	South Africa	B6: Prediction & measurement	oral
HP0553	Nohr, Michael	Matthias Richter, Birte Mull, Wilhelm G Lorenz, Wolfgang Horn	Development of a reference material for emission testing based on lacquer systems	Germany	B6: Prediction & measurement	oral-poster
HP1274	Ouaret, Rachid	Anda Ionescu, Olivier Ramalho, Yves Candau, Viorel Petrehus, Lucille Labat	Modelling the time fluctuation of indoor air formaldehyde concentration: variability structure identification and forecasting using nonlinear models	France	B6: Prediction & measurement	oral

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HP0488	Plaisance, Herve	Alodie Blondel, Valerie Desauziers, Pierre Mocho	Field investigation on the indoor sinks of formaldehyde	France	B6: Prediction & measurement	oral-poster
HP0367	Poulhet, Guillaume	Sébastien Dusanter, Sabine Crunaire, Nadine Locoge, Pascal Kaluzny, Patrice Coddeville	In-situ measurements of volatile organic compound emissions from building materials using passive flux samplers	France	B6: Prediction & measurement	oral
HP1256	Qiu, Yang	John D. Spengler, Cheng Chen, Yue Deng, Erica Forzani, Gary Adamkiewicz	Monitoring variability of indoor VOCs with novel continuous real-time sensor in low-income urban public housing in Boston, MA	USA	B6: Prediction & measurement	oral
HP1356	Ramos, Joao	Fernando Pinto	Indoor air quality audit in two office buildings in Portugal	Portugal	B6: Prediction & measurement	oral-poster
HP0300	Ren, Xiaoxin	Da Yan, Chuang Wang, Xiaohang Feng	A computational model for window-control action based on occupant behavior	China	B6: Prediction & measurement	oral
HP1077	Rennebarth, Thorsten	Wolfgang Hofbauer, Florian Mayer	A new method for mould sampling at hard to access surfaces	Germany	B6: Prediction & measurement	oral-poster
HP0313	Rizk, Malak	Marie Verrielle, Sebastien Dusanter, Coralie Schoemaeker, Stéphane L.E. Calve, Nadine Locoge	Sorption of organic gases onto building materials: development of a new device for in-situ measurements	France	B6: Prediction & measurement	oral
HP0846	Saarinen, Pekka	P. Kalliomäki, J.W. Tang, H. Koskela	Air leakage through isolation room doorway - measurements and CFD simulations	Finland	B6: Prediction & measurement	oral
HP1304	Sadick, Abdul-Manan	Ahmed M. Radwan, Shauna Mallory-Hill, Mohamed H. Issa	Development of a protocol for measuring Indoor Environmental Quality (IEQ) in office and school buildings	Canada	B6: Prediction & measurement	oral
HP0775	Salmela, Anniina	Johanna Moisa, Tiina Reponen, Pertti Pasanen	Retention of penicillium brevicompactum fungal enzyme activity in environmental sample	Finland	B6: Prediction & measurement	oral
HP0123	Schripp, Tobias	Ruth Giesen, Julia Scholtyssek, Bettina Meyer, Harald Schwab, Tunga Salthammer	Developing a reference source for formaldehyde emission testing of wooden building products	Germany	B6: Prediction & measurement	oral
HP0189	Sebroski, John	Jason W. Miller, Mark Spence	Evaluation of modified flec® cell and micro chamber prototype for monitoring Methylene Diphenyl Diisocyanate (MDI) emissions	USA	B6: Prediction & measurement	oral-poster
HP1044	Sekine, Yoshika	Ayano Azuma, Yuki Nagaoka, Michio Butsugan	Simultaneous measurement of NO and NO2 by passive air sampler employing novel oxidative trapping filter for NO	Japan	B6: Prediction & measurement	oral-poster
HP0422	Shen, Runlin	Jiusheng Yin, Chao-Hsin Lin, Shugang Wang, Tengfei Zhang	Measurement of moisture content in porous material by a hot wire	China	B6: Prediction & measurement	oral
HP1132	Soccio, Philippa		The Edu Tool: IEQ - a new post occupancy evaluation tool for communicating to building designers information about the indoor environment quality inside classrooms	Australia	B6: Prediction & measurement	oral
HP0914	Sohn, Michael	Wanyu R. Chan, David M. Lorenzetti, Simon T. Parker, Bry Lingard	Measurements and model predictions of tracer gas transport in three multi-floor commercial buildings in Oklahoma city	USA	B6: Prediction & measurement	oral-poster
HP0578	Spizer, Reut	Victor Steiner, Geula Sharf, Stelian Ghelberg, Hisham Nassar	A comprehensive survey of indoor radon levels in Israel	Israel	B6: Prediction & measurement	oral

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HP1202	Su, Huey-Jen	Chia-Wei Lee, Chien-Cheng Jung, Chun-Hsun Lin, Po-Jen Huang, Chih-Hsiang Yang, Chien-Lin Huang, Cheng-Tao Wang, Tsung-Kuan A. Chou, Li-Peng Wang	Comparison of continuous on-site measurement methods for tVOC monitoring regulated by Taiwan EPA in indoor air quality	Taiwan	B6: Prediction & measurement	oral
HP0733	Takenaka, Takeshi	Genki Unno, Akira Endo, Shin-Ichi Tanabe	Analysis of influence of lifestyle and season on residential electric power consumption by using a fine-grained power sensing system	Japan	B6: Prediction & measurement	oral
HP0877	Tlili, Sabrine	Sabine Crunaire, Marie Verrielle, Nadine Locoge, Patrice Coddeville	Wood plastic composite materials made from recycled waste wood and plastic: assessment of formaldehyde and VOC emissions	France	B6: Prediction & measurement	oral
HP0839	Tourreilles, Celine	Thierry Duforestel, Patrice Blondeau, Marc Abadie, Anne-Lise Tiffonnet	Coupled models to evaluate the interest of using air cleaners to reconcile indoor air quality and energy efficiency in buildings	France	B6: Prediction & measurement	oral
HP0413	Vignau-Laulhere, Jane	Hervé Plaisance, Valérie Desauziers, Pierre Mocho, Yves Bigay, Katarzyna Raulin	Evaluation of two radial diffusive samplers for the measurement of formaldehyde in indoor air	France	B6: Prediction & measurement	oral
HP0895	Vizhemehr, Ali Khazraei	Fariborz Haghghat, Gordon Mckay	Modelling comparison of relative performance of gas-phase filter at high and low challenge concentration	Hong Kong	B6: Prediction & measurement	oral
HP0017	Walser, Sandra	Bernhard Brenner, Christian Tuschak, Laszlo Gerber, Stefan Hörmansdorfer, Caroline E.W. Herr	Comparative measurements of bacteria and molds in indoor air	Germany	B6: Prediction & measurement	oral-poster
HP0810	Wang, Shang	Yuguo Li	Local wind and radiant thermal environment measurement using three spheres	Hong Kong	B6: Prediction & measurement	oral
HP0620	Wilke, Olaf	Anja Pech, Birte Mull, Wolfgang Horn, Oliver Jann	Determination of methanol and ethanol in test chamber air by using TDS-GC-FID	Germany	B6: Prediction & measurement	oral-poster
HP0148	Xiong, Jianyin	Jianping Cao, Yinping Zhang	An early stage c-history method for measuring the characteristic parameters of SVOC emission from polymeric materials	China	B6: Prediction & measurement	oral
HP0529	Xu, Haixia	Pengyi Cui, Zhuo Li, Wenquan Tao	Numerical analysis of contaminants mixing in a full-scale test chamber	China	B6: Prediction & measurement	oral
HP0964	Yanagi, U	Hiroshi Yoshino, Kenichi Hasegawa, Naoki Kagi, Kenichi Azuma, Naohide Shinohara, Asako Hasegawa, Haruki Osawa	Indoor airborne, settled, and adhesive fungi in water-damaged houses after giant tsunami	Japan	B6: Prediction & measurement	oral-poster
HP0585	Yu, H.C.	K.W. Mui, L.T. Wong	Validation of the bioaerosol deposition model in ventilated chamber	Hong Kong	B6: Prediction & measurement	oral
HP1334	Zhao, Li	Chao Chen, Ping Wang, Yafeng Wang, Yali Wan, Liangtian Wang, Ti Ouyang, Zhaoguang Qiu, Qinqing Wang, Bin Lu, Guoqing Cao, Chong Meng	Experimental investigation on the impact of atmospheric PM2.5 levels change on indoor environment	China	B6: Prediction & measurement	oral

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HP0979	Adamkiewicz, Gary	Meryl D. Colton, Piers Macnaughton, Jose Vallarino, Ran Rotem, Wanting Zhou, John D. Spengler	Differences in indoor environmental pollutants and air exchange between conventional and green public housing: a case study in Boston	USA	B7: Impact of outdoor environment IAQ and energy efficiency	oral-poster
HP1219	Bae, Gwi-Nam	Jong Bum Kim, Gwang Jae Lee, Sung Hee Ryu, Jae Young Lee	Diurnal variation of vehicular air pollutants in a day-care center	Korea South	B7: Impact of outdoor environment IAQ and energy efficiency	oral
HP1024	Carvalho, Ricardo	Ole M. Jensen, Luís A.C. Tarelho	Changes of indoor climate by the adoption of proper wood-burning stoves worldwide	Denmark	B7: Impact of outdoor environment IAQ and energy efficiency	oral
HP0435	Chan, Wanyu	Meera Sidheswaran, Sebastian Cohn, Douglas P. Sullivan, William J. Fisk	Contaminant source strengths and ventilation rates in retail stores - implications to California's building energy efficiency standards	USA	B7: Impact of outdoor environment IAQ and energy efficiency	oral
HP0527	Cui, Pengyi	Zhuo Li, Wenquan Tao	Wind tunnel experiments and multiscale modeling for effects of traffic exhausts on the indoor air quality within urban-scale regions	China	B7: Impact of outdoor environment IAQ and energy efficiency	oral
HP1360	Das, Payel	Zaid Chalabi, Michael Davies, Ian Hamilton, Benjamin Jones, Anna Mavrogianni, Clive Shrubsole, Jonathon Taylor	Using probabilistic sampling-based sensitivity analyses for indoor air quality modelling	United Kingdom	B7: Impact of outdoor environment IAQ and energy efficiency	oral
HP0626	Fung, Cha-Chen	Pu Yang, Yifang Zhu	Infiltration of diesel exhaust into a mechanically ventilated building	USA	B7: Impact of outdoor environment IAQ and energy efficiency	oral
HP0274	Gao, Zhi	Wowo Ding, Ying Yu	Analysis of the relationship between the residential street pattern and air quality in Nanjing city of China	China	B7: Impact of outdoor environment IAQ and energy efficiency	oral-poster
HP0956	Han, Jun	Dong Chen, Xiaoming Wang	Improving thermal comfort in lightweight buildings of brick veneer walls with phase change materials	Australia	B7: Impact of outdoor environment IAQ and energy efficiency	oral
HP0894	Hvidberg, Boerge	Majbrith Langeland, Winnie Hyldegaard, Soeren Kreilgaard, Mette N. Jeppesen, Jesper B. Petersen	Detecting intrusion pathways of contaminated soil gas to indoor air and describing some remediation methods	Denmark	B7: Impact of outdoor environment IAQ and energy efficiency	oral-poster
HP0708	Lee, Byung Hee	Hyo Jin Kim, Myoung Souk Yeo, Kwang Woo Kim	Indoor and outdoor PM10 concentrations during the Asian dust storm episodes in Korea	Korea South	B7: Impact of outdoor environment IAQ and energy efficiency	oral
HP0259	Lin, Man	David C. Wong, Yuguo Li, Jian Hang	The influence of viaduct and ground heating on pollutant dispersion within street canyons and from outdoor to indoor: gaseous pollutant and particle simulations	China	B7: Impact of outdoor environment IAQ and energy efficiency	oral
HP0688	Liu, Yanchen	Borong Lin, Zufeng Pei, Yingxin Zhu	Study of the indoor environment quality of green building and conventional building in China	China	B7: Impact of outdoor environment IAQ and energy efficiency	oral
HP0652	Maisey, Shannan	Sandra M. Saunders, Felix A. Mackenzie-Rae, Peter J. Franklin	A reactive indoor air chemistry model study of ambient AQ influences in two cities	Australia	B7: Impact of outdoor environment IAQ and energy efficiency	oral

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HP1298	Moga, Ligia	Ioan Moga	Influence of glazing surfaces on the energy performance of buildings	Romania	B7: Impact of outdoor environment IAQ and energy efficiency	oral
HP0819	Nix, Emily	Payel Das, Michael Davies	Shifting the balance of energy use and health impacts across Delhi'S housing stock	United Kingdom	B7: Impact of outdoor environment IAQ and energy efficiency	oral
HP0474	Qi, Ronghui	Lin Lu, Hongxing Yang, Jiang Yu	Cooling load and energy consumption of commercial building in main climate regions	Hong Kong	B7: Impact of outdoor environment IAQ and energy efficiency	oral
HP1228	Stranger, Marianne	Jelle Laverge, Martin Täubel, Stijn Verbeke, Kim Constandt, Katrien De Baets, Anne Hyvärinen, Eddy Goelen	Indoor air quality in relation to building envelope characteristics of low-energy and passive schools in Belgium	Belgium	B7: Impact of outdoor environment IAQ and energy efficiency	oral-poster
HP1231	Stranger, Marianne	Martin Täubel, Stijn Verbeke, Jelle Laverge, Kim Constandt, Katrien De Baets, Anne Hyvärinen, Eddy Goelen	Comparison of the indoor air quality of low-energy and passive schools and dwellings with traditional buildings in Belgium	Belgium	B7: Impact of outdoor environment IAQ and energy efficiency	oral-poster
HP0959	Tang, Yuqiao	Pok L. Cheng, Xiaofeng Li	PM2.5 concentration analysis of different environmental impacts at different locations around Tsinghua University in Beijing	China	B7: Impact of outdoor environment IAQ and energy efficiency	oral
HP0580	Valoušková, Kristýna		Heat losses and gains depending on the size of double transparent facade cavity	Czech Republic	B7: Impact of outdoor environment IAQ and energy efficiency	oral-poster
HP0192	Yang, Xiaoshan	Lihua Zhao	Long-timescale simulation of the effects of microclimate on building energy performance	China	B7: Impact of outdoor environment IAQ and energy efficiency	oral
HP0206	Zhang, Xiaobo	Xu Zhang	A hygrothermal research on energy efficiency and moisture condensation control for building enclosures in mixed climate zone	China	B7: Impact of outdoor environment IAQ and energy efficiency	oral
HP0199	Zhou, Jin	Ailu Chen, Qingliang Cao, Bing Yang, Victor W.C. Chang, William W. Nazaroff	Particle exposure during the 2013 haze in Singapore	Singapore	B7: Impact of outdoor environment IAQ and energy efficiency	oral

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HP1433	Ali, Zulfiqar	Humaira Amanat, Safdar Sidra, Zaheer A. Nasir, Ian Colbeck	Monitoring of PM2.5 arising from different cooking fuels in rural residential houses	Pakistan	B8: IAQ in developing countries	oral
HP1340	Almatawa, Mansour	Abbas A. Elmualim, Emmanuel A. Essah	Field measurements of indoor air quality in office buildings in Saudi Arabia	United Kingdom	B8: IAQ in developing countries	oral
HP0599	Barabad, Mona Loraine	Duckshin Park	A study of indoor air pollutants from cooking emissions	Korea South	B8: IAQ in developing countries	oral-poster
HP0996	Carter, Ellison	Ming Shan, Jiarong Li, Xudong Yang, Jill Baumgartner	Laboratory performance of advanced combustion biomass stoves in reducing household air pollution	USA	B8: IAQ in developing countries	oral
HP1025	Carvalho, Ricardo	Ole M. Jensen, Luís A.C. Tarelho, Adeildo C. Silva	Impacts of two improved wood-burning stoves on the indoor air quality: practices in Peru and Brazil	Denmark	B8: IAQ in developing countries	oral
HP0110	Chen, Min	Xiangzhao Fu	Study on characteristics of people flow in general hospitals in and out of China	China	B8: IAQ in developing countries	oral
HP1082	Cheng, Li	Baizhan Li, Yong Ding, Hanwang, Xuefeng Yan	Analysis of the current indoor air quality of large commercial buildings in Chongqing area during summer period	China	B8: IAQ in developing countries	oral-poster
HP0570	Hyttinen, Marko	Samson Kefene, Samuel Hartikainen, Pertti Pasanen	Particles, VOCs and lighter PAHs in kitchens using biomass fuels	Finland	B8: IAQ in developing countries	oral
HP0486	Lee, Kiyoung	Duckshin Park	Implication of cow dung combustion in developing countries based on emission characterization	Korea South	B8: IAQ in developing countries	oral
HP0282	Li, Jiarong	Ming Shan, Jill Baumgartner, Ellison Carter, Majid Ezzati, Xudong Yang	Laboratory study of pollutant emissions from wood charcoal combustion for indoor space heating in China	China	B8: IAQ in developing countries	oral
HP0118	Li, Yanju	Yanhui Ge, Jinbao Liu, Fuyang Wang, Haoqi Lv, Ming Jin	Investigation and evaluation of bacterial contaminant in classrooms and dormitories of college students in winter: a study in a university of Tianjin, China	China	B8: IAQ in developing countries	oral-poster
HP0823	Majumdar, Dipanjali	Sucharita Chakraborty, Pamela Chowdhury, Debasish Sengupta, Anjali Srivastava	Effect of furnishing in the mixing ratio of NMVOC: a case study	India	B8: IAQ in developing countries	oral
HP0302	Ongwandee, Maneerat	Sahalaph Homwuttivong, Theerapong Sairat	Distribution of airborne BTEX concentrations within petrol stations	Thailand	B8: IAQ in developing countries	oral-poster
HP0998	Panchal, Pritam	Rashmi S. Patil, Rakesh Kumar	Monitoring of indoor air quality in slums of Mumbai city, Mumbai	India	B8: IAQ in developing countries	oral-poster
HP0557	Safdar, Sidra	Zulfiqar Ali, Ian Colbeck, Zaheer A.Nasir	Assessment of airborne microflora in residential houses in Lahore, Pakistan	United Kingdom	B8: IAQ in developing countries	oral
HP0281	Shan, Ming	Jiarong Li, Jill Baumgartner, Yuqin Wang, Xudong Yang	Characterizing indoor real-time PM2.5 emissions from cooking and space heating stoves in Northern China	China	B8: IAQ in developing countries	oral
HP1251	Zhang, Junfeng (Jim)	Xiaoli Duan, Nigel Bruce, Heather Adair-Rohani, Kirk R. Smith	Household coal combustion: exposure to toxic pollutants and health effects	USA	B8: IAQ in developing countries	oral

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HP0968	Huang, Jianxiang	Yanbin Zhuo, Luyi Xu, Chaobin Zhou	Microclimate and outdoor leisure activities in China's residential communities: the Wuhan experiment	Hong Kong	B9: IAQ in rapidly urbanizing cities	oral
HP1166	Kim, Min Sung	Se Hwan Song, Nam Chul Seong, Jee Hern Kim, Hyo Jun Kim, Sung Min Hong, Dong Won Yoon	A study on measuring the indoor environment for determining dew condensation at the underground utility tunnel during winter	Korea	B9: IAQ in rapidly urbanizing cities	Final rejection letter
HP1392	kim, Yoon-Shin	Cheolmin Lee, Sunju Namgoung, Huunwoo Shin, Wonho Yang, Chanjung Park, Jongcheol Kim, Kyungmi Lee	Characteristics of NO2 and HONO concentrations in homes	Korea South	B9: IAQ in rapidly urbanizing cities	oral-poster
HP1393	kim, Yoon-Shin	Cheolmin Lee, Sun Ju Nam Goung, Huunwoo Shin, Chanjung Park, Doowon Han	Effectiveness of air purifier on IAQ in living environments of sensitive population	Korea South	B9: IAQ in rapidly urbanizing cities	oral-poster
HP1394	kim, Yoon-Shin	Cheolmin Lee, Sun Ju Nam Goung, Huunwoo Shin, Chanjung Park, Jongcheol Kim, Kyungmi Lee	Effects of air purifier on change of atopic dermatitis and indoor air quality	Korea South	B9: IAQ in rapidly urbanizing cities	oral-poster
HP0363	Lai, Ka Man	Maggie Chan, K.K. Ma, Irene Li, Karen Lee, Tommy Lo, William Yu	IAQ and environmental hygiene analysis in subdivided units in Hong Kong	Hong Kong	B9: IAQ in rapidly urbanizing cities	oral
HP0323	Li, Wen-Whai	Amit Raysoni	Measurements of traffic-related indoor-outdoor air pollution at elementary schools in a cross-border urbanized metroplex	USA	B9: IAQ in rapidly urbanizing cities	oral-poster
HP0464	Liu, Yulong	Chaobin Zhou, Ying Li, Jinxian Zhang, Luyi Xu, Sumei Liu, Aiming Ma, Hao Li	A fast and simple tool to assess indoor environment quality of residential buildings at the stage of schematic design	China	B9: IAQ in rapidly urbanizing cities	oral-poster
HP1253	Luo, Zhiwen	Biao Li, Mats Sandberg, Jing Liu	Ventilation performance in a passage between two non-parallel buildings	United Kingdom	B9: IAQ in rapidly urbanizing cities	oral
HP0640	Pei, Zufeng	Borong Lin, Yanchen Liu, Yingxin Zhu	The comparison study of indoor environment quality between design goal and actual performance for green buildings in China	China	B9: IAQ in rapidly urbanizing cities	oral
HP0923	Yang, Fenhuan	Li Sun, Dane Westerdahl, Zhi Ning	Comprehensive evaluation of passenger exposure to particulate air pollution in Hong Kong public transit systems	Hong Kong	B9: IAQ in rapidly urbanizing cities	oral
HP1170	Yoon, Jaeock		Analyzing indoor air quality in airtight environments in new apartments in Korea with the help of field measurement devices	Korea South	B9: IAQ in rapidly urbanizing cities	oral
HP0577	Yue, Yang	Lihui Huang, Zhongnan Pu, Jan Sundell, Yinping Zhang	Measurement of carbonyls in residential indoor air during summer in Beijing	China	B9: IAQ in rapidly urbanizing cities	oral
HP0463	Wang, Zhiqiang	Chaobin Zhou, Yi Jiang, John D. Spengler	The investigation of indoor air quality at high-rise residential buildings in China: a pilot study	China	B9: IAQ in rapidly urbanizing cities	oral
HP0156	Wei, Wenjuan	Rui Cheng, Weiping Zhao, Yinping Zhang	Influence of China's building energy efficiency policy on urban indoor formaldehyde exposure	China	B9: IAQ in rapidly urbanizing cities	oral-poster
HP0085	Zhang, Huibo	Hiroshi Yoshino, U Yanagi, Jingchao Xie, Zhiwei Lian	A detailed survey on indoor air quality and children's health in Shanghai	China	B9: IAQ in rapidly urbanizing cities	oral

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HP0887	Mandal, Anubha	Anuj, Girish, Jaspal, Rohit, Shruti, Adhirath	Health threat by biomass cooking fuels on infants- a case study	India	B11: Education and issues	oral-poster
HP0446	Mora, Rodrigo	Valentín Varga, Loveleen Atwal	Building science integrated systems: methodology for residential indoor air quality investigations	Canada	B11: Education and issues	oral-poster

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HP0358	Amemiya, Takako	Toshiharu Ikaga, Kota Fujisaki	Effect of educational facilities on self-assessed student learning performance and health	Japan	B12: Productivity and economics	oral-poster
HP1294	Boerstra, Atze	Marcel G.L.C. Loomans, Jan L.M. Hensen	Personal control over indoor climate and productivity	Netherlands	B12: Productivity and economics	oral
HP0662	Borisová, Lucia		The cost optimal methodology of dwelling house in Slovak Republic (determination of optimal heat transfer coefficients for dwelling house)	Slovakia	B12: Productivity and economics	oral-poster
HP0071	Jönsson, Arne		The optimal air rate with regard to economic growth and smoking from weber-fechners law	Sweden	B12: Productivity and economics	oral-poster
HP0072	Jönsson, Arne		The value of ventilation from the weber-fechner law	Sweden	B12: Productivity and economics	oral-poster
HP0316	Jumeno, Desto	Hiroshi Matsumoto, Lusi Susanti	Utilization of foliage plants on the design of eco-ergonomic office	Japan	B12: Productivity and economics	oral
HP0612	Kuzuu, Eriko	Shin-Ichi Tanabe, Asami Nagareda, Naoyuki Harada, Mitsunobu Abe, Masanori Oshikubo, Yuka Nakamura, Haruo Oshima, Shinji Wada, Hiroaki Taguchi	Productivity and indoor environmental quality of research institution with refreshment and communication area	Japan	B12: Productivity and economics	oral
HP0955	Mandin, Corinne	Guillaume Boulanger, Thomas Bayeux, Corinne Mandin, Séverine Kirchner, Benoît Vergriette, Valérie Pernelet-Joly	Socio-economic costs due to indoor air pollution: a tentative estimation for France	France	B12: Productivity and economics	oral-poster
HP0661	Tsushima, Sayana	Shin-Ichi Tanabe, Naoe Nishihara, Masaya Hiraoka, Shin-Ichi Hiromoto, Hideharu Komoda, Seiichi Tabuchi	Workers' awareness and indoor environmental quality in power-saving offices	Japan	B12: Productivity and economics	oral
HP0837	van Kemenade, Peer	Marcel G.L.C. Loomans, Siem Opschoor, Jan L.M. Hensen	Building comfort performance assessment using a monitoring tool	Netherlands	B12: Productivity and economics	oral
HP0946	Wargocki, Pawel	Peter Foldbjerg, Kurt Emil Eriksen, Lars Eriksen Videbæk	Socio-economic consequences of improved indoor air quality in Danish primary schools	Denmark	B12: Productivity and economics	oral

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HP1307	Noguchi, Miyuki	Saya Tanaka, Kaede Watanabe, Akihiro Yamasaki	Correlation between the odor concentration and the VOC composition of tobacco smoke	Japan	B13: Community engagement	oral-poster
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HP0501	Andamon, Mary Myla	Larry A Bellamy, Ian Ridley	Thermal environments and indoor air quality of P-12 educational facilities in Australia: a critical review of standards, regulations and policies	Australia	B14: Policy, standards & regulations	oral
HP1177	Bae, Chihye	Chulhong Kwon, Boyeong Yun, Jinho Kim, Jongho Lee	A study on social technology development strategy for energy welfare improvement	Korea South	B14: Policy, standards & regulations	oral
HP0836	Fleming, Edwina	Jako A. Nice	The South African legislative environment, in critical need of scientific evidence based alignment for airborne control	South Africa	B14: Policy, standards & regulations	oral-poster
HP1098	Francisco, Paul		ASHRAE Standard 62.2: what's new and why	USA	B14: Policy, standards & regulations	oral
HP1316	Grimes, Carl		Measurements and descriptors for occupant behavior and occupant experience	USA	B14: Policy, standards & regulations	oral-poster
HP0720	Kim, Jeonghoon	Hojang Kwon, Kiyoun Lee, Dohoon Lee, Yujin Paek, Sungsoo Kim, Soyoun Hong, Wanryung Lim, Kyoosang Kim	Effects of the smoke-free laws on air quality, biomarker levels in urine and health effects of staffs in Korean restaurants and pubs	Korea South	B14: Policy, standards & regulations	oral
HP0975	Laffargue, Caroline	Reinhard C. Oppl, Stephany I. Mason	Harmonization of VOC emissions testing in Europe - the new standard CEN/TS 16516	Denmark	B14: Policy, standards & regulations	oral
HP1106	Little, John		What is sustainability?	USA	B14: Policy, standards & regulations	oral
HP0976	Mason, Stephany	Reinhard C. Oppl, Caroline Laffargue	Limit values for VOC emissions from construction and decorative products around the globe	Denmark	B14: Policy, standards & regulations	oral
HP0598	Nehr, Sascha	Shin-Ichi Tanabe	ISO/TC 146/SC 6 – setting international standards for the assessment of indoor air quality	Germany	B14: Policy, standards & regulations	oral
HP1198	Noonan, Jack	Vyt P. Garnys	Indoor environment quality and NABERS IE ratings: a case study of a commercial office building portfolio of twenty six Australian buildings	Australia	B14: Policy, standards & regulations	oral-poster
HP0731	Oh, Suhyun	Siwon Yang, Yoonshin Kim, Sunsook Kim	Development of the IAQ certification scheme for public use facilities in Korea	Korea South	B14: Policy, standards & regulations	oral
HP1014	Persily, Andrew		Indoor Air Quality in high performance buildings: what is and isn't in ASHRAE/IES/USGBC Standard 189.1	USA	B14: Policy, standards & regulations	oral
HP0949	Pouzaud , Francois	Cécilia Solal, Valérie Pernelet-Joly, Marion Keirsbulck, Guillaume Boulanger, Pierre-André Cabanes, Corinne Mandin, The Anses Expert Group on Iaqq	Setting of chronic indoor air quality guideline for nitrogen dioxide: evidence-based approach using epidemiological studies	France	B14: Policy, standards & regulations	oral-poster
HP0165	Schiavon, Stefano	Sergio Altomonte	Influence of factors unrelated to environmental quality on occupant satisfaction in leed and non-leed certified buildings	United Kingdom	B14: Policy, standards & regulations	oral
HP0634	Sukarno, Iwan	Hiroshi Matsumoto, Ryushi Kimura, Lusi Susanti	Factors affecting residential energy consumption in regional cities of Indonesia	Japan	B14: Policy, standards & regulations	oral
HP1158	Wai, Kee-Neng	Benjamin Wai, Frederick Lee, Denis Wong	"Big Data" for IAQ profile monitoring and building management	Hong Kong	B14: Policy, standards & regulations	oral-poster

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HP1406	Wargocki, Pawel	Paolo Carrer, Eduardo De Oliveira Fernandes, Otto Hänninen, Stylianos Kephelopoulos, Healthvent Group	Guidelines for health-based ventilation in Europe	Denmark	B14: Policy, standards & regulations	oral
HP0055	Ye, Wei	Xu Zhang, Doyun Won	A preliminary ventilation rate study for residential buildings and offices based on VOC emission database	China	B14: Policy, standards & regulations	oral
HP1144	Yoo, Seung-Ho	J.H. Yang, J.R. Sohn, J.Y. Sohn	The institutional evaluation standard for solar architecture	Korea South	B14: Policy, standards & regulations	oral-poster

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HP0538	Arai, Keitaro	Masayuki Ogata, Mai Fujiwara, Hitomi Tsutsumi, Shoichi Morimoto, Shin-Ichi Tanabe, Satoshi Hori, Takao Ariga	Evaluation of infection-control effectiveness through use of an infection-control bed	Japan	C1: Respiratory infection in indoor environment	oral-poster
HP0898	Azimi, Parham	Brent Stephens	HVAC filtration for controlling airborne influenza transmission in indoor environments: predicting risk reductions and operational costs	USA	C1: Respiratory infection in indoor environment	oral
HP0092	Chen, Chun	Chao-Hsin Lin, Qingyan Chen	Developing simplified models for the exhaled airflow from a cough with the mouth covered	USA	C1: Respiratory infection in indoor environment	oral
HP0702	Gao, Caroline	Yuguo Li, Benjamin J. Cowling, Daniel Chu, Heilbronn Cherie, Belinda Lloyd, J.S. Malik Peiris, Wendy Tsui, Alfred Kwong, Kitty Chan, Julian W. Tang	Lack of influenza transmission to an inhaling life-like manikin from naturally influenza-infected human volunteers	Canada	C1: Respiratory infection in indoor environment	oral
HP0533	Hirase, Kota	Nguyen Lu Phuong, Shin-Ichiro Aramaki, Kazuhide Ito	Visualization of air flow patterns in human respiratory tract by particle image velocimetry	Japan	C1: Respiratory infection in indoor environment	oral
HP0732	Kadota, Yosuke	Sung-Jun Yoo, Toshiki Matsuo, Nguyen Lu Phuong, Kazuhide Ito	Development of computer simulated person with numerical airway model. Part 3: breathing air quality prediction using improved unsteady breathing flow model	Japan	C1: Respiratory infection in indoor environment	oral
HP0532	Matsuo, Toshiki	Sung-Jun Yoo, Nguyen Lu Phuong, Kazuhide Ito	Development of computer simulated person with numerical airway model. Part 1 analysis of breathing contaminant concentration and respiratory exposure	Japan	C1: Respiratory infection in indoor environment	oral
HP0554	Mendes, Ana	Lívia Aguiar, Cristiana Pereira, Paula Neves, Susana Silva, Diana Mendes, Teresa Palmeiro, Iolanda Caires, Amália Botelho, Pedro Martins, Nuno Neuparth, João Paulo Teixeira	Respiratory health in older people living in elderly care centers in Portugal	Portugal	C1: Respiratory infection in indoor environment	oral-poster
HP0196	Morimoto, Shoichi	Huaipeng Tang, Shin-Ichi Tanabe, Hitomi Tsutsumi, Satoshi Hori	Reduction of droplet nuclei in 4 bed room	Japan	C1: Respiratory infection in indoor environment	oral
HP0663	Ogata, Masayuki	Masakazu Suzuki, Shin-Ichi Tanabe, Satoshi Hori, Shoichi Morimoto, Hitomi Tsutsumi	Size of multibed patient room and airborne infection risk	Japan	C1: Respiratory infection in indoor environment	oral
HP0931	Sung, Minki	Soonjung Kwon	Estimating of the air migration from negative pressure isolation ward by the movements of staffs using network model	Korea South	C1: Respiratory infection in indoor environment	oral-poster
HP1065	Taylor, Jonathon	Hector Altamirano-Medina, Clive Shrubsole, Payel Das, Phillip Biddulph, Michael Davies, Anna Mavrogianni, Eleni Oikonomou	Tuberculosis transmission: modelled impact of air-tightness in dwellings in the UK	United Kingdom	C1: Respiratory infection in indoor environment	oral
HP0783	Wang, Jiahui	Baizhan Li, Wei Yu, Han Wang, Juan Wang	Decorated housing environment and its associations with asthma and allergies among Chongqing pre-school children	China	C1: Respiratory infection in indoor environment	oral-poster
HP0012	Wei, Jianjian	Julian W. Tang, Azadeh A.T. Borojeni, Warren H. Finlay, Yuguo Li	Inhalation of exhaled flow during human normal (nasal) breathing	Hong Kong	C1: Respiratory infection in indoor environment	oral
HP0534	Yamashita, Masato	Nguyen Lu Phuong, Kota Hirase, Kazuhide Ito	Numerical simulation of airflow, heat and particle transfer in human respiratory system	Japan	C1: Respiratory infection in indoor environment	oral

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HP0287	Yang, Caiqing	Xudong Yang, Bin Zhao	Person to person airborne particles cross transmission in vertical laminar air flow room	China	C1: Respiratory infection in indoor environment	oral
HP0301	Yang, Wenwen	Naiping Gao	The airborne transmission of infection due to the stack effect in high-rise residential buildings	China	C1: Respiratory infection in indoor environment	oral
HP0541	Yoo, Sung-Jun	Toshiki Matsuo, Nguyen Lu Phuong, Kazuhide Ito	Development of computer-simulated person with numerical airway model. Part 2: improved thermo-regulation model with heat and moisture transfer detail analysis in respiratory tract	Japan	C1: Respiratory infection in indoor environment	oral
HP1049	You, Siming	Man Pun Wan, Jinwen Xiong	An infection risk assessment scheme incorporating the effect of walking-induced particle resuspension	Singapore	C1: Respiratory infection in indoor environment	oral
HP0016	Mousavi, Ehsan	Kevin R. Grosskopf	Ventilation and transport of bioaerosols in healthcare environment- new insight into hospital corridor design	USA	C1: Respiratory infection in indoor environment	oral-poster

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HP0389	Blanchard, Olivier	Philippe Glorennec, Fabien Mercier, Nathalie Bonvallot, Cécile Chevrier, Olivier Ramalho, Corinne Mandin, Barbara L.E. Bot	Semi-volatile organic compounds in indoor air and settled dust in 30 French dwellings	France	C2: New chemical substances in buildings	oral
HP0429	Bohlin, Pernilla	Lisa Melymuk, Petr Kukučka, Roman Prokeš, Šimon Vojta, Jana Klánová	Novel brominated flame retardants in non-industrial indoor air: occurrence and evaluation of a passive air sampler	Czech Republic	C2: New chemical substances in buildings	oral
HP0086	Glorennec, Philippe	Corinne Mandin, Fabien Mercier, Olivier Blanchard, Kevin Fournier, Olivier Ramalho, Jean-Paul Lucas, Nathalie Bonvallot, Barbara Le Bot	Cumulative indoor exposures to Semi-Volatile Organic Compounds (SVOCs) in France: progress of the ECOS project	France	C2: New chemical substances in buildings	oral
HP1164	Huang, Chun-nan	Wei-Lun Lee, Hong-Bin Cho, Chin-Chi Wu, Pei-Ling Lee, Chia-Wei Lee	The associations between phthalates in indoor dust and house-cleaning habits	Taiwan	C2: New chemical substances in buildings	oral
HP1386	Jiang, Fang	Huan Chen, Shourong Zheng	Catalytic combustion of ethyl acetate on Al ₂ O ₃ supported chromia catalysts	China	C2: New chemical substances in buildings	oral-poster
HP1222	Lazarov, Borislav	Marianne Stranger, Frederick Maes, Eddy Goelen, Adrian Covaci	Optimisation of an innovative sampling method for air sampling flame retardants	Belgium	C2: New chemical substances in buildings	oral-poster
HP0716	Le Bot, Barbara	Charline Warembourg, Fabien Mercier, Erwann Gilles, Gaëlle Raffy, Olivier Blanchard, Nathalie Bonvallot, Cécile Chevrier, Philippe Glorennec	Neurotoxic Semi Volatile Organic Compounds (SVOCs) in house settled dust: contamination and determinants	France	C2: New chemical substances in buildings	oral
HP1015	Mandin, Corinne	Fabien Mercier, Jean-Paul Lucas, Olivier Ramalho, Olivier Blanchard, Nathalie Bonvallot, Gaëlle Raffy, Erwann Gilles, Philippe Glorennec, Barbara Le Bot	ECOS-POUSS: a nationwide survey of semi-volatile organic compounds in home settled dust	France	C2: New chemical substances in buildings	oral
HP1017	Mandin, Corinne	Fabien Mercier, Jean-Paul Lucas, Olivier Ramalho, Erwann Gilles, Olivier Blanchard, Nathalie Bonvallot, Philippe Glorennec, Barbara Le Bot	ECOS-PM: a nationwide survey of semi-volatile organic compounds in indoor air	France	C2: New chemical substances in buildings	oral
HP0126	Poppendieck, Dustin	Steve Nabinger, Matthew Schlegel, Andrew Persily	Long term emissions from spray polyurethane foam insulation	USA	C2: New chemical substances in buildings	oral
HP0518	Xu, Ying	Yirui Liang, Jorge R. Urquidi, Jeffrey A. Siegel	Phthalates and PBDES in retail stores	USA	C2: New chemical substances in buildings	oral

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HP0182	Bekö, Gabriel	Birthe Uldahl Kjeldsen, Yulia Olsen, Aneta Wierzbicka, Dorina Gabriela Karottki, Jørn Toftum, Steffen Loft, Geo Clausen	Ultrafine particles in 60 Danish homes: measurements in the homes and personal monitoring	Denmark	C3: Nanoparticles in indoor environment	oral
HP1100	Bohgard, Mats	Maria Albin, Katrin Dierschke, Anders Gudmundsson, Inger Hagerman, Christina Isaxon, Jonas Jakobsson, Bo Ag Jönsson, Jörn Nielsen, Patrik Nilsson, Joakim H. Pagels, Yiyi Xu, Aneta Wierzbicka	Human exposure studies of airborne particles from common sources	Sweden	C3: Nanoparticles in indoor environment	oral-poster
HP0294	Buonanno, Giorgio	Luca Stabile, Giorgio Ficco, Rohan Jayaratne, Lidia Morawska	Measurement of cooking-generated particle charge	Italy	C3: Nanoparticles in indoor environment	oral-poster
HP0133	Chen, Yen-Ping	Ke-Ruoyang, Kuo-Pin Yu	Exposure to and health risk assessment for particulate matters and polycyclic aromatic hydrocarbons from household cooking in Taiwan	Taiwan	C3: Nanoparticles in indoor environment	oral
HP0108	Rai, Aakash	Chun Chen, Chao-Hsin Lin, Qingyan Chen	Numerical modeling of ozone-initiated particle generations from reactions with clothing in an environmental chamber	USA	C3: Nanoparticles in indoor environment	oral
HP0649	Wu, Xin	Lina Wang, Ling Feng, Guangli Xiu, Chun Zhu, Mingzhou Yu	Characteristics of fine particles and black carbon emitted from different Chinese cooking methods	China	C3: Nanoparticles in indoor environment	oral
HP0351	Wu, Yi-Ying	Yen-Ping Chen, Kuo-Pin Yu	Removal of monodisperse and polydisperse submicron particles in a stainless steel test chamber by using a negative air ionizer	Taiwan	C3: Nanoparticles in indoor environment	oral-poster

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HP0198	Brimblecombe, Peter		The impact of indoor air on historic interiors under climate change	Hong Kong	C4: Climate change and indoor environment	oral
HP1058	Hsu, Nai-Yun	Yen-Hsu Lin, Han-Yu Shih, Yu-Chun Liu, Chao-Yu Guo, Huey-Jen Su	Predictive model of indoor temperature from ambient levels	Australia	C4: Climate change and indoor environment	oral
HP1447	Jaakkola, Jouni		Public health impact of indoor dampness and mold problems in the context of climate change	Finland	C4: Climate change and indoor environment	oral
HP1452	Jantunen, Matti		Greenhouse effect and climate change - and indoor air	Finland	C4: Climate change and indoor environment	oral-poster
HP1437	Lee, Daeyeop	Boram Lee, Sooyoung Guak, Kiyoung Lee	Indoor and outdoor thermal conditions in three types of economically disadvantaged residences during summer	Korea South	C4: Climate change and indoor environment	oral-poster
HP0115	Pakpour, Sepideh	De-Wei Li , John Klironomos	Climatic drivers of airborne fungal spore concentrations in two North American cities	Canada	C4: Climate Change and Indoor Environment	oral
HP0794	Sailor, David		Risks of extreme thermal conditions in buildings associated with climate change and exacerbation of the urban heat island	USA	C4: Climate change and indoor environment	oral
HP1352	Simone, Angela	Marta Avantaggiato, Michele De Carli, Bjarne W. Olesen	Analyses of passive cooling strategies' effect on overheating in low-energy residential buildings in Danish climate	Denmark	C4: Climate change and indoor environment	oral
HP0450	Vardoulakis, Sotiris	John Thornes, Ka-Man Lai, Sani Dimitroulopoulou, Isabella Myers, Clare Heaviside	Health effects of climate change in the UK indoor environment - a critical review	United Kingdom	C4: Climate change and indoor environment	oral
HP1423	Wang, Zhaoxia	Neng Zhu	Study on the design schemes of fresh air supplement in office buildings	China	C4: Climate change and indoor environment	oral

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HP1226	Bayer, Charlene		Materials transparency programs, emissions testing, and health impacts	USA	C5: Environmental impact of buildings	oral-poster
HP1135	Kim, Si Eun	Jae Hun Oh, Young Ki Huh, Young Chull Ahn, Jong Wook Moon	A study on the thermal effects of green roof system in an existing building	Korea South	C5: Environmental impact of buildings	oral-poster
HP1338	Krejcirikova, Barbora	Carsten Rode, Jakub Kolarik, Pawel Wargocki, Ruut H. Peuhkuri	Waste-based materials; capability, application and impact on indoor environment - literature review	Denmark	C5: Environmental impact of buildings	oral
HP1028	Liu, Jiyong	Mohammad Heidarinejad, Stefan Gracik, Daranee Jareemit, Jelena Srebric	The impact of surface convective heat transfer coefficients on the simulated building energy consumption and surface temperatures	USA	C5: Environmental impact of buildings	oral-poster
HP0969	Teichman, Kevin	Andrew Persily	Indoor air quality: the forgotten, yet critical, element in sustainable buildings	USA	C5: Environmental impact of buildings	oral
HP0850	Wang, Kai	Yuguo Li, Yuhui Li, Meng Yuan	Impact of urban building morphology on air temperature: a case study in the stone forest	Hong Kong	C5: Environmental impact of buildings	oral
HP0950	Wang, Xiaoxue	Yuguo Li	Understanding and modelling urban-breeze circulation by up-scaling CFD	Hong Kong	C5: Environmental impact of buildings	oral
HP1453	Wang, Yi	Yuguo Li, Pak Wai Chan	Urban moisture balance in Hong Kong	Hong Kong	C5: Environmental impact of buildings	oral
HP0479	Yang, Jin-ho	Hyun-Tae Kim, Shin-Ichi Tanabe	How to apply approved LEED simulation for sustainable buildings in Japan	Japan	C5: Environmental impact of buildings	oral
HP0643	Yang, Xinyan	Yuguo Li	Solar radiation heat gain in an urban area	Hong Kong	C5: Environmental impact of buildings	oral
HP0978	Yin, Shi	Yuguo Li	The rising of urban buoyant plume from high-rise compact buildings in turbulent crossflows	Hong Kong	C5: Environmental impact of buildings	oral
HP1156	Yin, Shi	Mats Sandberg, Yuguo Li	Water tank investigation of single and multiple buoyant plumes from squared blocks in calm environment	Hong Kong	C5: Environmental impact of buildings	oral
HP1119	Zhao, Lihua	Kunming Li	Study on outdoor thermal environment of village in pearl river delta region	China	C5: Environmental impact of buildings	oral-poster
HP1446	Chow, Tin-Tai	Kwong-Fai Fong, Tengfei Zhao, Apple Chan	Effectiveness of green roof as thermal barrier for air-conditioned offices in Hong Kong	Hong Kong	C5: Environmental impact of buildings	oral

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HP1008	Akimoto, Takashi	Ken Aozasa, Yusuke Yamada, Takuma Sato, Masayuki Sato, Aki Mizuta	Performance evaluation on double multi GHP in school building	Japan	C6: Low energy buildings	oral-poster
HP1212	Bagoňa, Miloslav	Martin Kamenský, Martin Lopusniak	Improvement of indoor environment and its effect on the heat demand for heating and cooling of house	Slovakia	C6: Low energy buildings	oral-poster
HP1445	Chow, Tin-Tai	Hui Long, Yuanli Lyu	Innovative solar facades for low-energy building application	Hong Kong	C6: Low energy buildings	oral
HP0891	Croitoru, Cristiana	Ilinca Nastase, Florin I. Bode, Amina Meslem	Innovative solar facade implementation in low energy buildings	Romania	C6: Low energy buildings	oral
HP0233	Derbez, Mickaël	Bruno Berthineau, Valérie Cochet, Corinne Mandin, Cécile Pignon, Jacques Riberon, Guillaume Wyart, Severine Kirchner	Longitudinal study of indoor air quality and comfort of two low-energy single-family houses	France	C6: Low energy buildings	oral
HP0279	Derbez, Mickaël	Jean-Paul Lucas, Olivier Ramalho, Jacques Riberon, Corinne Mandin, Séverine Kirchner	French national data collection system on indoor air quality and comfort in energy-efficient buildings	France	C6: Low energy buildings	oral
HP0037	Feng, Jingjuan (Dove)	Fred Bauman, Stefano Schiavon	Critical review of water based radiant cooling system design methods	USA	C6: Low energy buildings	oral-poster
HP0329	Gong, Nan	Jijun Zhou, Simeng Liu, Steven Esparza, Uthaman Raju	Air flow setback strategies for hospital energy saving	USA	C6: Low energy buildings	oral
HP1357	Gong, Nan	Jijun Zhou, Simeng Liu, Steven Esparza, Uthaman Raju	Air flow rate control strategies and energy saving for operating rooms	USA	C6: Low energy buildings	oral-poster
HP0613	Harada, Naoyuki	Shin-Ichi Tanabe, Asami Nagareda, Eriko Kuzuu, Mitsunobu Abe, Masanori Oshikubo, Yuka Nakamura, Haruo Oshima, Shinji Wada, Hiroaki Taguchi	Taking into account heat and daylight to verify and improve a multistory double-skin facade	Japan	C6: Low energy buildings	oral
HP0989	Hartikainen, Samuel	Kari Salmi, Maija Leppänen, Marko Hyttinen, Erkki Kähkönen, Rauno Holopainen, Pertti Pasanen	Semi-volatile and volatile organic compounds in low-energy and conventionally built houses	Finland	C6: Low energy buildings	oral-poster
HP0051	Huang, Yu	Jian-Lei Niu, Tse-Ming Chung	Experimental study on performance of interior blind in office buildings in Hong Kong	Hong Kong	C6: Low energy buildings	oral
HP0052	Huang, Yu	Jian-Lei Niu, Tse-Ming Chung	Simulation study of shading design performance in office buildings in cooling-dominant climates	Hong Kong	C6: Low energy buildings	oral
HP1173	Hwang, Hyokeyun	Togo Yoshidomi, Kentaro Sekine, Shinsuke Kato	Analysis of the convection-radiation heat dissipation from the equipment for the development of liquid cooling air-conditioning system	Japan	C6: Low energy buildings	oral
HP0296	Iatauro, Domenico	Michele Zinzi	Assessment of the thermal comfort conditions in an high efficiency energy renovation of an Italian school building	Italy	C6: Low energy buildings	oral-poster
HP1136	Jeong, Ah Hee	Young Chull Ahn, Byung Heon Jeon, Jung Sub Seo	Performance evaluation of air-bubble sheets as a thermal insulator for window system	Korea South	C6: Low energy buildings	oral-poster
HP0544	Kajiya, Ryoichi	Toshihiko Sudo, Koji Sakai	Measurement and CFD analysis of the temperature and air velocity distribution in a double skin	Japan	C6: Low energy buildings	oral-poster
HP1174	Kawahara, Daisuke	Kyosuke Hiyama, Shinsuke Kato	Low-energy effectiveness of dynamic insulation system for windows	Japan	C6: Low energy buildings	oral

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HP0793	Kitagawa, Shogo	Masaya Okumiya	Life cycle energy management for the heat source of large-scale hospital preliminary design of heat source system	Japan	C6: Low energy buildings	oral
HP0509	Kmeřková, Jana	Michal Krajčák	Cost optimal evaluation of energy performance requirements on apartment buildings to comply with the energy performance of buildings directive	Slovakia	C6: Low energy buildings	oral-poster
HP1021	Knudsen, Henrik	Ole M. Jensen	Indoor climate perceived as improved after energy retrofitting of single-family houses	Denmark	C6: Low energy buildings	oral
HP0814	Kobayashi, Kentaro	Takashi Kurabuchi, Sihwan Lee, Jinya Takeuchi	Using natural ventilation with water mist sprayers for data center energy conservation	Japan	C6: Low energy buildings	oral-poster
HP0056	Lai, Chi-Ming	Y.H. Wang	Energy-saving potential of building envelope designs in residential houses in Taiwan	Taiwan	C6: Low energy buildings	oral-poster
HP0380	Langer, Sarka	Erica Bloom, Gabriel Bekö	Indoor environment in Swedish passive houses	Sweden	C6: Low energy buildings	oral
HP0298	Laverge, Jelle	Arnold Janssens, Marianne Stranger, Stijn Verbeke, Kim Constandt, Katrien De Baets	Air leakage and compliance with building code ventilation requirements in low energy dwellings and schools in Belgium	Belgium	C6: Low energy buildings	oral
HP0655	Lee, Suk-Joo	Kyung-Woo Kwon, Jun-Seok Park	Heating and cooling energy performance of commercial buildings	Korea South	C6: Low energy buildings	oral
HP0432	Lima, Pedro	Joaquim F. Monteiro, Olga S. Castro	Impact of design options in zero energy building conception: the case of large buildings in Portugal	Portugal	C6: Low energy buildings	oral-poster
HP0381	Liu, Peng	Maria Justo Alonso, Mohammad Rafatinasr, Hans Martin Mathisen, Carey Simonson	Frosting limits for counter-flow Membrane Energy Exchanger (MEE) in cold climates	Norway	C6: Low energy buildings	oral
HP1358	Liu, Xiaoping	Jianlei Niu	An optimal design analysis method for heat recovery heat exchangers in building applications	Hong Kong	C6: Low energy buildings	oral-poster
HP0348	Lv, Liugen	Chen Huang, Li Li , Jiangchang Chen	Comparative study on radiant heat transfer in building inner surface based on different radiant models	China	C6: Low energy buildings	oral
HP0419	Maccarini, Alessandro	Alireza Afshari, Niels C. Bergsøe, Göran Hultmark, Magnus Jacobsson, Anders Vorre	Innovative two-pipe active chilled beam system for simultaneous heating and cooling of office buildings	Denmark	C6: Low energy buildings	oral
HP1292	Martinez, Andrea	Joon-Ho Choi	Evidence-based model of building façade features using data mining for assessment of building performance	USA	C6: Low energy buildings	oral
HP0391	McGill, Gráinne	Menghao Qin, Lukumon Oyedele	Comparison of indoor air quality in mechanically ventilated and naturally ventilated social housing- a case study	United Kingdom	C6: Low energy buildings	oral-poster
HP0478	Meng, Zhaozhou	Michael Pelken, Jianshun Zhang, Daniel Rice, Yixing Chen, Shewangizaw Semahegn, Lixing Gu, Hugh Henderson	"Magic cube": an integrated and coordinated process for performance-based building design	USA	C6: Low energy buildings	oral
HP1227	Moon, Hyeun	Min Seok Choi	Evaluation of simulation based control for a VRF system with different simulation time-steps	Korea South	C6: Low energy buildings	oral-poster
HP1201	Moon, Hyeun Jun	Seung Ho Ryu	Model based predictive control for radiant floor heating system in a residential building	Korea South	C6: Low energy buildings	oral
HP1240	Moon, Hyeun Jun	Young Ran Yoon	Measurement and verification for an energy performance evaluation in buildings with BEMS	Korea South	C6: Low energy buildings	oral

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HP1409	Ooi, Koon beng	Donald Payne, Seng Siew Yeoh	A sustainable retrofit and a better quality indoor air for a brick-veneer, raised-floor house in Victoria, Australia?	Australia	C6: Low energy buildings	oral
HP0087	Poppendieck, Dustin	Lisa Ng, Matthew Schlegel, Andrew Persily, Alfred Hodgson	Long term air quality monitoring in a net-zero energy residential test facility designed with specifications for low emitting interior products	USA	C6: Low energy buildings	oral
HP0180	Rey, Francisco	Antonio Villanueva, Manuel Andrés, And Eloy Velasco	IAQ and thermal comfort evaluation in a Spanish modern low-energy office with Thermally Activated Building (TAB) systems	Spain	C6: Low energy buildings	oral
HP0430	Schoemaeker, Coralie	Marie Verrielle, Benjamin Hanoune, Denis Petitprez, Nathalie Leclerc, Malak Rizk, Sébastien Dusanter, Stéphane L.E. Calve, Maurice Millet, Pierre Bernhardt, Maxence Mendez, Nadège Blond, Didier Hauglustaine, Alain Clappier, Patrice Blondeau, Marc Abadie, Nadine Locoge	Experimental and modeling characterizations of indoor air quality in low energy public buildings in France - the MERMAID program	France	C6: Low energy buildings	oral-poster
HP0623	Silva, Nuno Alexandre	Pawel Wargocki	Do certified buildings enhance indoor environmental quality and performance of office work?	Denmark	C6: Low energy buildings	oral
HP1343	Stutterecker, Werner	Ernst Blümel	A low energy apartment house - a case study about energy and thermal comfort	Austria	C6: Low energy buildings	oral-poster
HP0410	Sudo, Toshihiko	Ryoichi Kajiya, Koji Sakai	Performance verification of the integrated optical air duct system (air-conditioning duct performance)	Japan	C6: Low energy buildings	oral-poster
HP0171	Tsay, Yaw-Shyan	Yu-Chun Yeh, Mina Tsai	Study on strategies for zero energy home design in Taiwan - a case study of a residential house in Yunlin	Taiwan	C6: Low energy buildings	oral
HP0366	Verrielle, Marie	Coralie Schoemaeker, Benjamin Hanoune, Nathalie Leclerc, Nadine Locoge	Do Low Energy Public Buildings (LEPB) comply with the recent IAQ regulations in France? What about unregulated VOC?	France	C6: Low energy buildings	oral
HP0327	Wang, Fang	Dan Meng, Xiuwei Li, Junjie Tan	Field experiments on the thermal performance of double skin façade building in hot summer	China	C6: Low energy buildings	oral
HP0272	Wang, Pengsu	Ming Shan, Xudong Yang	Thermal performance of a new Chinese Kang with forced convection air flow	China	C6: Low energy buildings	oral
HP0689	Wang, Yi	Chandra Sekhar, William P. Bahnfleth, Sundaram Karuppaiah	Effectiveness of Ultraviolet Germicidal Irradiation (UVGI) systems in air handling units in enhancing energy performance	Singapore	C6: Low energy buildings	oral
HP0861	Xue, Fei	Xiaofeng Li	A fast calculation method for indoor heat gain of external respiration double-skin façades in cooling season	China	C6: Low energy buildings	oral-poster
HP0268	Yang, Le	Jianjun Xia, Qi Shen	Establishing energy consumption quota for assessing a group of government office buildings	China	C6: Low energy buildings	oral
HP1047	Yau, Yat	Keng H. Chuah, Ming R. Tey, Pak N. Yip, Cheng S. Lim, Tet H. Chong, Krishnan Rajagopal	Feasibility study of using heat recovery devices in HVAC systems in a building in the tropics	Malaysia	C6: Low energy buildings	oral

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HP1321	You, Wei	Menghao Qin, Wowo Ding	Energy analysis of building exterior opening design using integrated simulation of day-lighting, thermal performance and natural ventilation	China	C6: Low energy buildings	oral
HP1324	Yuan , Chen	Menghao Qin, Jianshun J. Zhang	“Virtual Deseign Studio” for hot and humid climate in china	China	C6: Low energy buildings	oral
HP0739	Zhang, Shuo	Jianlei Niu	Low energy buildings integrated nocturnal radiation cooling and thermal energy storage	China	C6: Low energy buildings	oral
HP0755	Zhang, Xiaojie	Jie Han, Guoqiang Zhang, Di Qin	A review on hybrid ventilation	China	C6: Low energy buildings	oral-poster
HP0386	Zhang, Xiyao	Jianlei Niu, Shuo Zhang, Jian-Yong Wu	The PCM-water emulsion with low supercooling	Hong Kong	C6: Low energy buildings	oral
HP0263	Zhao, Deyin	Xu Zhang, Ming Zhong	A field survey study on energy consumption of office buildings with VRV system	China	C6: Low energy buildings	oral

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HP0952	Abadie, Marc	Géraldine L.E. Nir, Jérôme Nicolle, Cécile Honore, Patrice Blondeau, Anne Kauffman	Indoor air quality in metro systems: a survey	France	C7: Transport cabin environments	oral
HP0184	Cao, Xiaodong	Junjie Liu, Yun Zhang, Jiayu Li	High power 2D-PIV application in the measurement of air distribution in an aircraft cabin mockup	China	C7: Transport cabin environments	oral-poster
HP0451	Chang, Li-Te	Chin-Sheng Tang, Shih-Chun Candice Lung	The effects of in-cabin exposures to multi-sized particulate matters and carbon monoxide on changes in heart rate variability for healthy public transit commuters	Taiwan	C7: Transport cabin environments	oral
HP0117	Chen, Xiaokai	Lili Feng, Huilong Luo, Guoqiang Zhang	Objective assessment of airborne benzene and its homologues pollution in passenger cars	China	C7: Transport cabin environments	oral-poster
HP0590	Cho, Youngmin	Soon-Bark Kwon, Duck-Shin Park, Ji-Han Song, Woo-Sung Jung, Bo-Shik Yang, Jae-Hong Park	Effect of emissions from diesel locomotives on indoor air quality of passenger cabin	Korea South	C7: Transport cabin environments	oral
HP0992	Cho, Youngmin	Choong-Hee Lee, Duck-Shin Park, Soon-Bark Kwon, Woo-Sung Jung	Effect of additional insulation panel on average temperature in subway cabin during heating	Korea South	C7: Transport cabin environments	oral
HP1359	Conceição, Sandro	Luis Carlos De Castro Santos, Arlindo Tribess	CFD and experimental study of expiratory droplets inside an aircraft cabin mock-up	Brazil	C7: Transport cabin environments	oral
HP0111	Guan, Jun	Xudong Yang Zheng Li	Source contributions and control strategies of Volatile Organic Compounds (VOCs) in aircraft cabins	China	C7: Transport cabin environments	oral
HP0045	Houtzager, Marc	John B.G.A. Havermans, Jan G.H. Bos, Helgah Makarem Akhlaghi, Willie C. Hijman, Alex A.D. Renesse V. Duivenbode, Aleksandra D. Jedynska	Airliner cabin air quality: emissions of organophosphates originating from aircraft engine oil. Experimental lab simulation and measurements on flight.	Netherlands	C7: Transport cabin environments	oral
HP0485	Kim, Kyu-Jeong	In-Ryeol Lee, Man-Goo Kim	Evaluation of VOCs emissions from car interior console assembly and unit components	Korea South	C7: Transport cabin environments	oral-poster
HP0320	Kim, Man-Goo	In-Ryeol Lee, Kyu-Jeong Kim	Method for the determination of the emission of volatile organic chemicals from unit-component of car interior by using static chamber	Korea South	C7: Transport cabin environments	oral-poster
HP1165	Kwon, Soon-Bark	Jihan Song, Jong-Bum Kim, Gwang-Jae Lee, Seyoung Kim, Duck-Shin Park, Youngmin Cho, Wootae Jeong	Efficiency of the Subway Cabin Air Purifier (SCAP) for removing particulate matters in a subway cabin indoor	Korea South	C7: Transport cabin environments	oral
HP0293	Langer, Sarka	Jana Moldanová, Erica Bloom, Cecilia Österman	Indoor environment on-board the Swedish icebreaker oden	Sweden	C7: Transport cabin environments	oral
HP0382	Lee, In-Ryeol	Kyu-Jeong Kim And Man-Goo Kim	The cause material assessment of emitted VOCs at unit component by using the test method of cut part of vehicle interior	Korea South	C7: Transport cabin environments	oral-poster
HP0505	Li, Bingye	Jingjing Pei, Congcong Wang, Junjie Liu, Xiaojin Xiao	Experimental study of cabin thermal comfort and air quality at different seasons	China	C7: Transport cabin environments	oral-poster
HP1435	Li, Qiong	Yikai Huang, Zhechao Chen, Xi Yu	A case study of the effect of parking vehicle on the outdoor thermal environment	China	C7: Transport cabin environments	oral

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HP0421	Ma, Pengzhen	Tengfei (Tim) Zhang, Shugang Wang	Prediction of inner aircraft surface temperature based on the onboard and the outboard coupling	China	C7: Transport cabin environments	oral
HP0107	Rai, Aakash	Chao-Hsin Lin, Qingyan Chen	Modeling of ozone-initiated VOC emissions from reactions with human-worn clothing in an aircraft cabin	USA	C7: Transport cabin environments	oral
HP0401	Rosén, Karl		In-cabin air quality –electrostatic field to capture sub-micron size particles	Sweden	C7: Transport cabin environments	oral-poster
HP0084	Tatsu, Kouichi	Satoshi Nakai, Shinsuke Kato	A preliminary study of methods for in-car air quality measurement	Japan	C7: Transport cabin environments	oral-poster
HP0824	Wang, Congcong	Junjie Liu, Yongzhi Zhang	Accurate experimental measurements of flow boundary conditions for numerical simulations in an aircraft cabin mockup	China	C7: Transport cabin environments	oral
HP0424	Wang, Jihong	Hongbiao Zhou, Tengfei (Tim) Zhang, Shugang Wang	Inverse design of aircraft cabin environment based on proper decomposition of thermo-flow fields	China	C7: Transport cabin environments	oral
HP0425	Wei, Yun	Tengfei (Tim) Zhang, Shugang Wang	An efficient method to inversely design air-supply opening size for a commercial airplane	China	C7: Transport cabin environments	oral
HP0154	Widdowson, Caroline		Vehicle interior air quality - (S)VOC emission from materials: regulation, standard methods and analytical implementation	United Kingdom	C7: Transport cabin environments	oral-poster

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HP1011	Botzler, Sebastian	Jakub Kolarik, Bjarne W. Olesen	Investigating peoples' preferences of automated indoor climate control facilities	Denmark	D1: Smart and mobile technologies	oral
HP1337	Fan, Jintu		Impact of clothing on thermal comfort and energy saving in indoor environment	USA	D1: Smart and mobile technologies	oral
HP0043	Habibi, Shahryar		Development of smart micro-grid energy efficiency technologies on workplace level	Italy	D1: Smart and mobile technologies	oral-poster
HP1248	Jeberien, Alexandra	Susanne Litty	Wireless climate monitoring devices for museums	Germany	D1: Smart and mobile technologies	oral-poster
HP0033	Karmann, Caroline	Stefano Schiavon, Fred Bauman	Online map of buildings using radiant technologies	USA	D1: Smart and mobile technologies	oral
HP0900	Kazanavicius, Egidijus	Romas Lukas, Antanas Mikuckas, Alfonsas Misevičius, Dainius Martuzevičius	Indoor air environment management system	Lithuania	D1: Smart and mobile technologies	oral-poster
HP1266	Storgaard, Kresten	Lars Gunnarsen, Elvira V. Bräuner	The Indoor as a scene for biological threats. involving users in making smart devices effective	Denmark	D1: Smart and mobile technologies	oral-poster
HP1367	Wiesmüller, Gerhard	Claudia Hornberg	Risk assessment of exposure to Electromagnetic Fields (EMF) from smart and mobile technologies	Germany	D1: Smart and mobile technologies	oral
HP1455	Pillarsetti, Ajay	Michael A. Johnson, Tracy Allen, Charity R. Garland, Dana H. Charron, David M. Pennise, Kirk R. Smith	PATS+ field testing: Characterizing sensors and their responses to air pollutants and integrating stove usage datastreams for household energy assessments	USA	D1: Smart and Mobile Technologies	oral

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HP0041	Bräuner, Elvira	Kresten Storgaard, Lars Gunnarsen	False positives in detection of biological-warfare agents	Denmark	D2: Wireless sensors and smartphone monitoring of indoor environment	oral-poster
HP1369	Daniel, Lyrian	Andrew Carre, Terence Williamson, Dong Chen	Development and application of air movement logger for thermal comfort research	Australia	D2: Wireless sensors and smartphone monitoring of indoor environment	oral
HP0498	Huang, Gongsheng	Pei Zhou, Linfeng Zhang	Optimal location of wireless temperature sensor nodes in large-scale rooms	Hong Kong	D2: Wireless sensors and smartphone monitoring of indoor environment	oral
HP0737	Loo, Sin Ming	James A. Hall Jr., Joshua Kiepert, Michael Pook, Nicholas Terrell	A low-cost wireless portable particulate matter monitoring system	USA	D2: Wireless sensors and smartphone monitoring of indoor environment	oral-poster
HP1121	Qiao, Lifeng	Hao Zhou	Development of a wireless sensing system for monitoring indoor environment	China	D2: Wireless sensors and smartphone monitoring of indoor environment	oral
HP1122	Zhou, Hao	Lifeng Qiao	A big data approach for indoor environmental quality assessment, awareness and improvement	China	D2: Wireless sensors and smartphone monitoring of indoor environment	oral

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HP1378	Dannemiller, Karen	Naomichi Yamamoto, Kyle Bibby, Jordan Peccia	Improving the quantification of fungal population analysis by next-generation DNA sequencing	USA	D3: Gene-sequencing and bio-informatics for indoor microbiology studies	oral
HP1427	Scott, James	Kamyar Motavaze, Richard C. Summerbell, Eric Savory, John Pogacar	Improved biodeterioration resistance tests for building materials	Canada	D3: Gene-sequencing and bio-informatics for indoor microbiology studies	oral

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HP1408	Tovey, Euan	Damien Liu-Brennan, Janet S Rimmer, Brian G. Oliver	New methods for measuring the time course of personal exposure to biological particles including aeroallergens	Australia	D4 New bio-monitoring technologies for indoor applications	oral
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HP2001	Liu, Jiaping	Adam E Altrichter, Ashley C Bateman, Jason Stenson, G Z Brown, Jessica L Green, Brendan J M Bohannan	Generalized design principle and method for thermal insulation system in building envelope	China	Plenary talks	oral
HP2002	Nielsen, Peter	Jingchao Xie, Na Cui, Song Pan	Computational fluid dynamics and ventilation airflow	Denmark	Plenary talks	oral