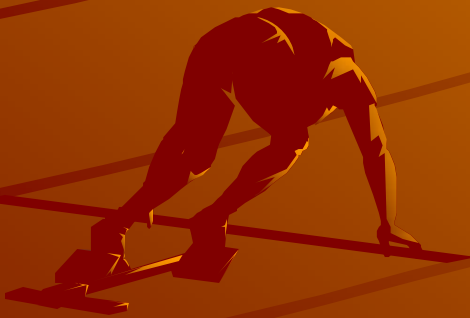


# New Ventilation Strategies

Per Heiselberg  
Aalborg University  
Denmark



# New Ventilation Strategies

## ◆ Development categories

- Driving forces
- Building air transport
- Air conditioning
- Room air distribution
- Ventilation control



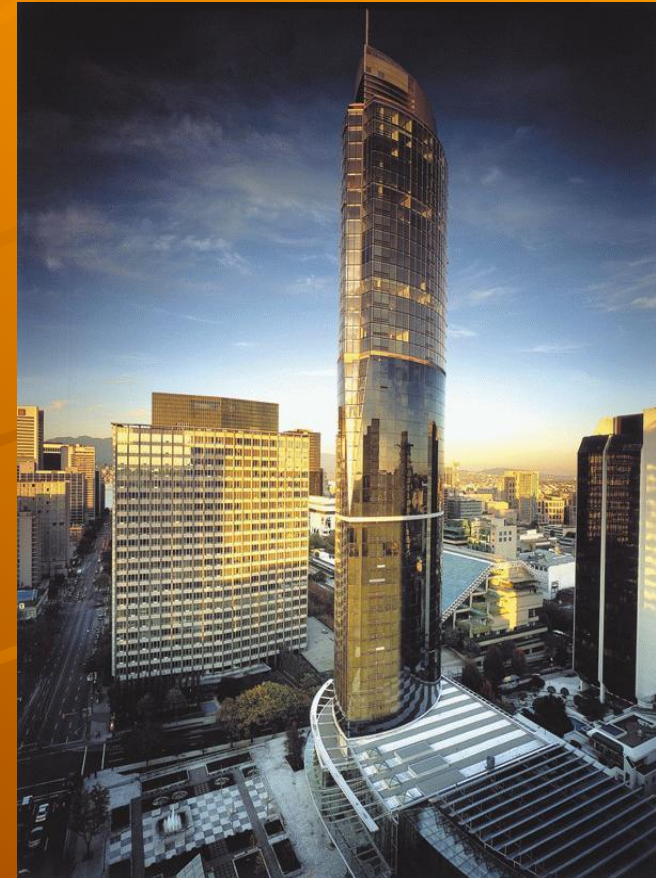
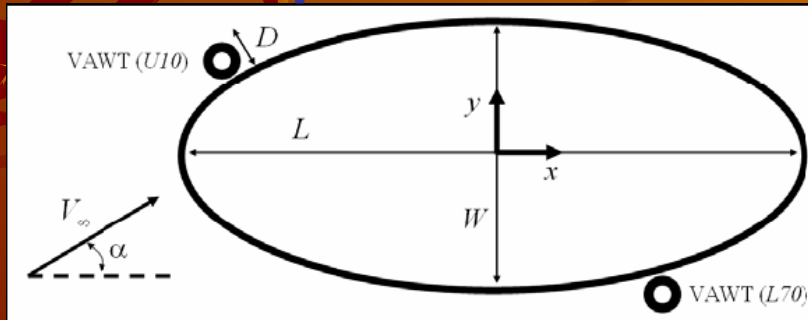
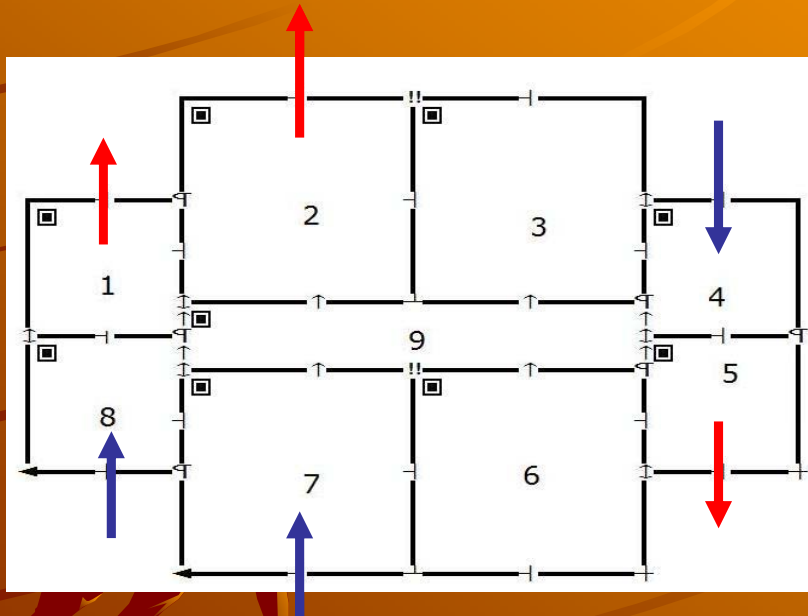
# New Ventilation Strategies

## ◆ Development categories

- **Driving forces**
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# Modification of natural ventilation surface pressures

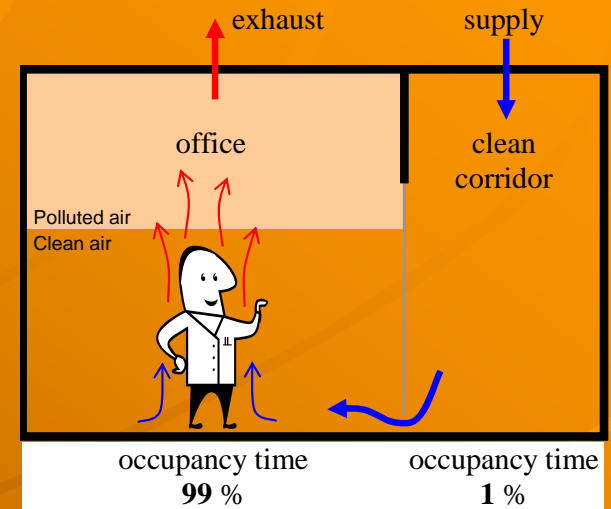
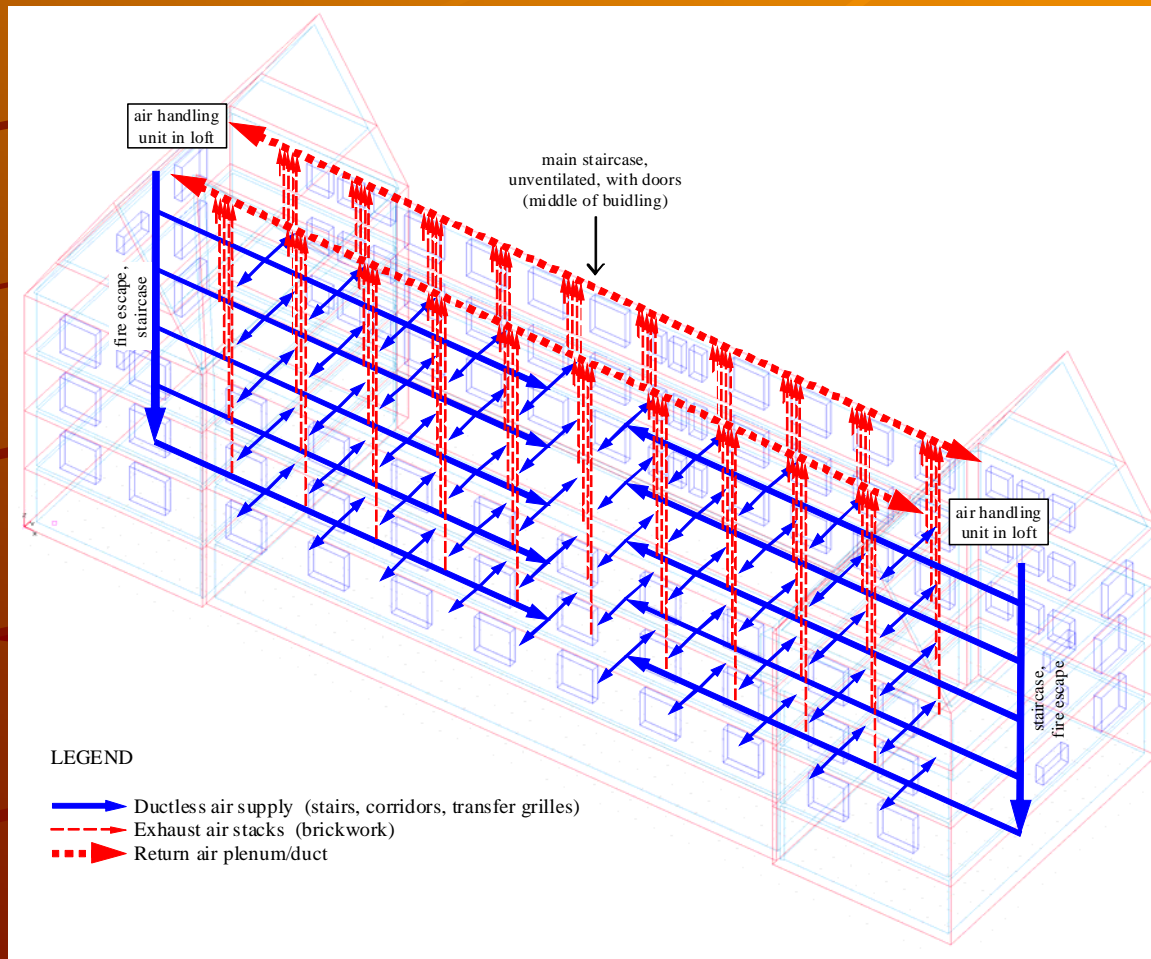


# New Ventilation Strategies

- ◆ Development categories
  - Driving forces
  - **Building air transport**
  - Air conditioning
  - Room air distribution
  - Ventilation control



# “Ductless” Building Air Transport



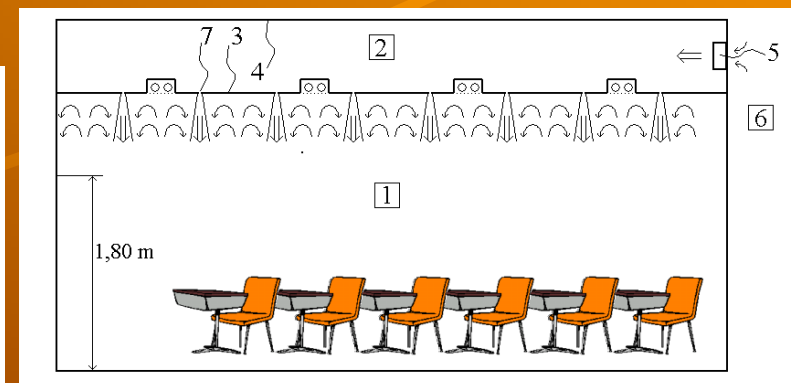
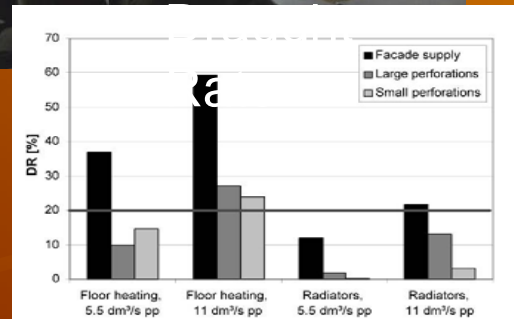
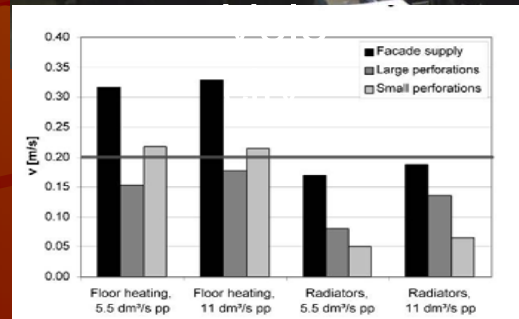
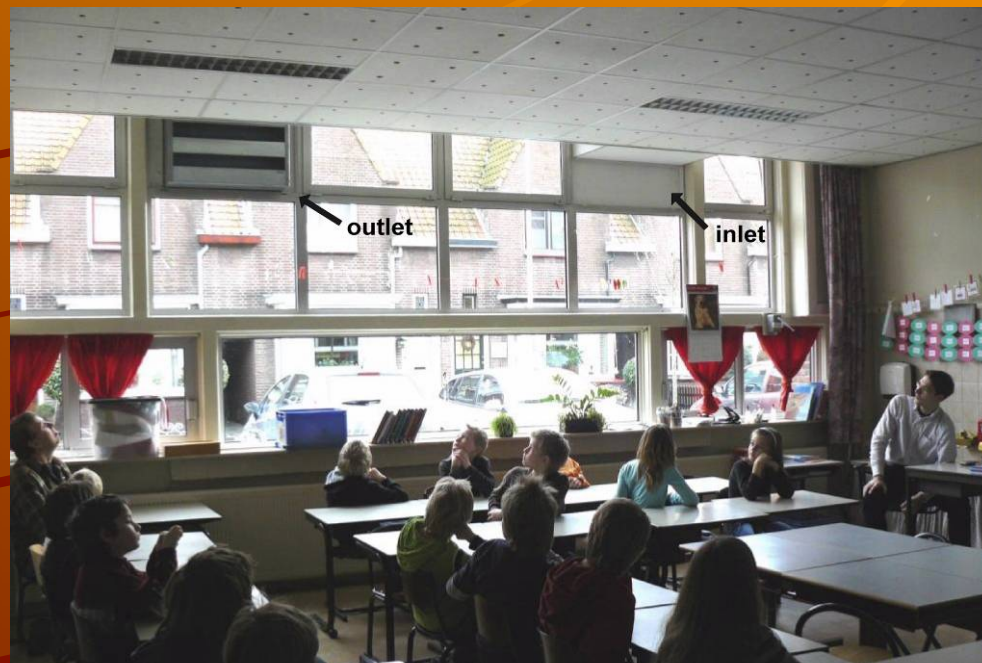
# New Ventilation Strategies

## ◆ Development categories

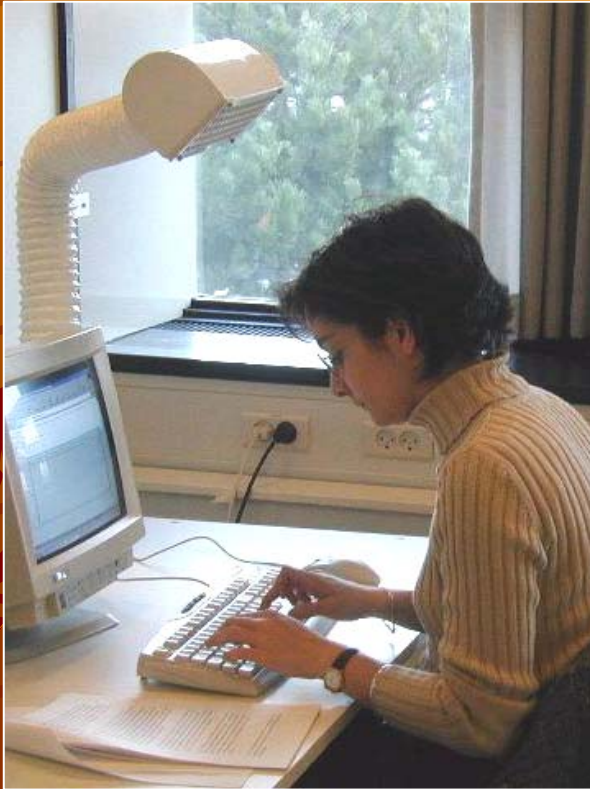
- Driving forces
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- Ventilation control



# Diffuse Ceiling supply



# PV for IAQ in offices



Paper ID 1035: Jan Kaczmarczyk, Arsen Melikov and Daniel Silva  
International Centre for Indoor Environment and Energy,  
Department of Civil Engineering, Technical University of  
Denmark

# PV for Cooling in offices

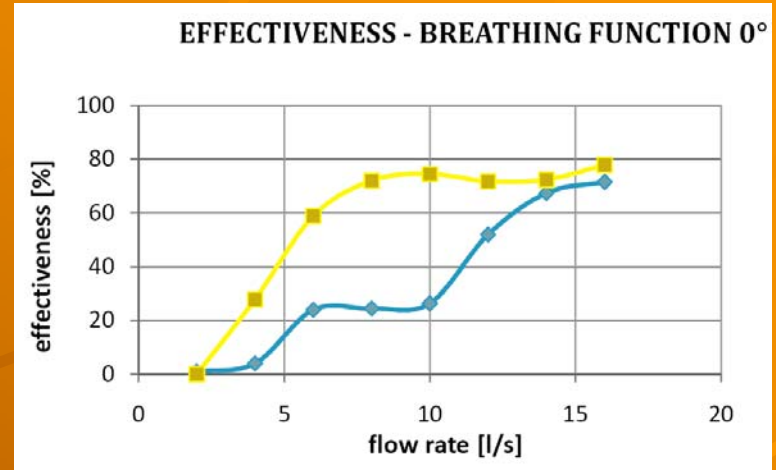
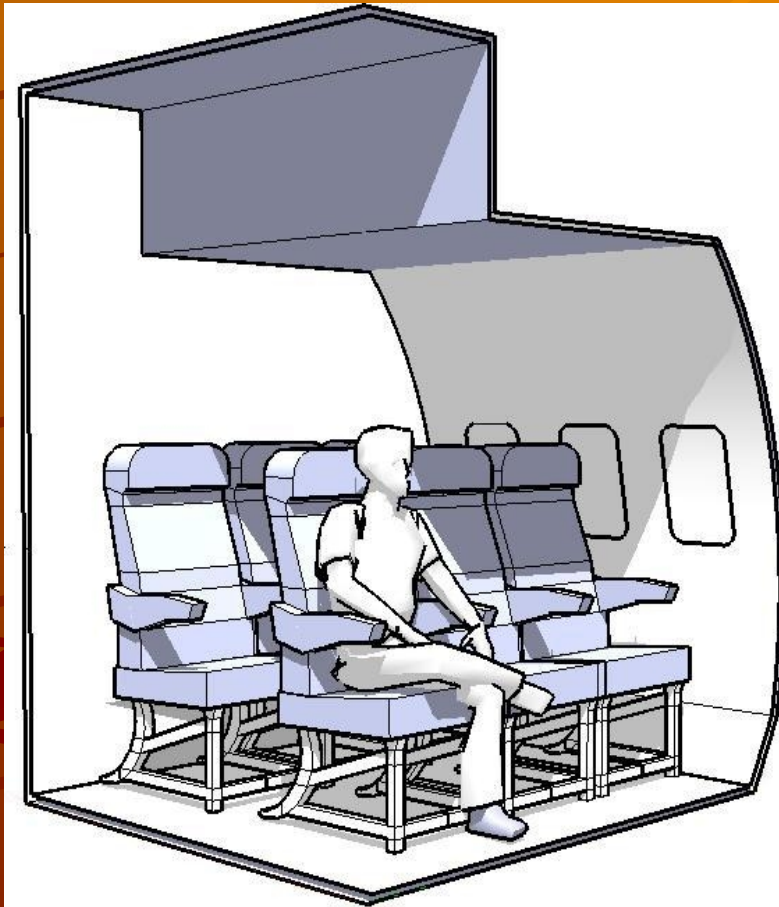


Paper ID 963 Weimeng Sun<sup>1,2,\*</sup>, K.W. David Cheong<sup>1</sup> and Arsen K. Melikov<sup>2</sup>

<sup>1</sup>Department of Building, School of Design and Environment, National University of Singapore

<sup>2</sup>International Centre for Indoor Environment and Energy, Department of Civil Engineering, Technical University of Denmark

# PV in Transport for infection control



Paper ID 247: Peter V. Nielsen,\*, Ewa Barszcz, Tomasz Czarnota, Dariusz P. Dymalski, Michal A. Jasienski, Artur Nowotka, Agata Mozer, Sylwia M. Wiankowska and Rasmus L. Jensen  
Aalborg University, Denmark

# New Ventilation Strategies

- ◆ Development categories

- Driving forces

- Building air transport

- Air conditioning

- Room air distribution

- **Ventilation control**

- ◆ **Demand Control?**