Research outputs:

**Improved performance of displacement ventilation by a pipe-embedded window**
Research output: Research - peer-review › Journal article – Annual report year: 2019

**Accurate assessment of exposure using tracer gas measurements**
Research output: Research - peer-review › Journal article – Annual report year: 2018

**Airborne spread of expiratory droplet nuclei between the occupants of indoor environments: a review**
Research output: Research - peer-review › Journal article – Annual report year: 2018

**Cooling load for the design of air terminals in a general non-uniform indoor environment oriented to local requirements**
Research output: Research - peer-review › Journal article – Annual report year: 2018

**Effect of airflow interaction on temperature and velocity at the breathing zone of seated person**
Research output: Research - peer-review › Article in proceedings – Annual report year: 2018

**Energy Saving Potential of a ventilated Seat Cushion**
Research output: Research - peer-review › Article in proceedings – Annual report year: 2018

**Factors influencing the Evaluation of Bed thermal Environment**
Research output: Research - peer-review › Article in proceedings – Annual report year: 2018

**Flow characteristics in occupied zone – An experimental study with symmetrically located thermal plumes and low-momentum diffuse ceiling air distribution**
Research output: Research - peer-review › Journal article – Annual report year: 2018

**Identification of human body physiological response to bed micro-environment**
Research output: Research - peer-review › Article in proceedings – Annual report year: 2018

**Thermal Comfort Assessment of The Bed Micro-environment**
Research output: Research - peer-review › Article in proceedings – Annual report year: 2018

**A comparison between tracer gas and aerosol particles distribution indoors: The impact of ventilation rate, interaction of airflows, and presence of objects**
Research output: Research - peer-review › Journal article – Annual report year: 2017

**Advanced airflow distribution methods for reducing exposure of indoor pollution**
Research output: Research - peer-review › Paper – Annual report year: 2018
Displacement ventilation
Research output: Research - peer-review › Book – Annual report year: 2017

Effect of airflow interaction in the breathing zone on exposure to bio-effluents
Research output: Research - peer-review › Journal article – Annual report year: 2017

Exposure to human body bio-effluents: impact of airflow interaction at the breathing zone
Research output: Research - peer-review › Article in proceedings – Annual report year: 2018

Measurement of exposure to gaseous contaminants
Research output: Research - peer-review › Article in proceedings – Annual report year: 2018

Thermal environment in a simulated double office room with convective and radiant cooling systems
Research output: Research - peer-review › Journal article – Annual report year: 2017

Airflow characteristics and pollution distribution around a thermal manikin - Impact of specific personal and indoor environmental factors
Research output: Research - peer-review › Article in proceedings – Annual report year: 2016

Bed-integrated local exhaust ventilation system combined with local air cleaning for improved IAQ in hospital patient rooms
Research output: Research - peer-review › Journal article – Annual report year: 2016

Energy Saving by Novel Bed-Integrated Local Exhaust Ventilation
Research output: Research - peer-review › Article in proceedings – Annual report year: 2016

Exposure Reduction to Human Bio-effluents Using Seat-integrated Localized Ventilation in Quiescent Indoor Environment
Research output: Research - peer-review › Article in proceedings – Annual report year: 2016

Exposure to aerosol and gaseous pollutants in a room ventilated with mixing air distribution
Research output: Research - peer-review › Article in proceedings – Annual report year: 2016

Individually controlled localized chilled beam in conjunction with chilled ceiling: Part 1 – Physical environment
Research output: Research - peer-review › Article in proceedings – Annual report year: 2017

Individually controlled localized chilled beam in conjunction with chilled ceiling: Part 2 – Human response
Research output: Research - peer-review › Article in proceedings – Annual report year: 2017

Particle deposition in a realistic geometry of the human conducting airways: Effects of inlet velocity profile, inhalation flowrate and electrostatic charge: Effects of inlet velocity profile, inhalation flowrate and electrostatic charge
Research output: Research - peer-review › Journal article – Annual report year: 2016

Seat-integrated localized ventilation for exposure reduction to air pollutants in indoor environments
Research output: Research - peer-review › Article in proceedings – Annual report year: 2016

Subjective Evaluation of the Microenvironment Generated by a Hospital Bed with Localized Ventilation System
Research output: Research - peer-review › Article in proceedings – Annual report year: 2017

The effects of mixing air distribution and heat load arrangement on the performance of ceiling radiant panels under cooling mode of operation
Research output: Research - peer-review › Journal article – Annual report year: 2017
Thermal environment in simulated offices with convective and radiant cooling systems under cooling (summer) mode of operation
Research output: Research - peer-review › Journal article – Annual report year: 2016

Advanced air distribution: Improving health and comfort while reducing energy use
Research output: Research - peer-review › Journal article – Annual report year: 2015

Advanced air distribution method combined with deodorant material for exposure reduction to bioeffluents contaminants in hospitals
Research output: Research - peer-review › Article in proceedings – Annual report year: 2016

Air quality Performance of Ductless Personalized Ventilation in Conjunction with Displacement Ventilation: Impact of Walking Person
Research output: Research - peer-review › Article in proceedings – Annual report year: 2015

Air temperature investigation in microenvironment around a human body
Research output: Research - peer-review › Journal article – Annual report year: 2015

Human body micro-environment: The benefits of controlling airflow interaction
Research output: Research - peer-review › Journal article – Annual report year: 2015

Human convection flow in spaces with and without ventilation: personal exposure to floor-released particles and cough-released droplets
Research output: Research - peer-review › Journal article – Annual report year: 2015

Human convective boundary layer and its impact on personal exposure

Human convective boundary layer and its interaction with room ventilation flow
Research output: Research - peer-review › Journal article – Annual report year: 2014

Performance assessment of a ventilated mattress for pollution control of the bed microenvironment in healthcare facilities
Research output: Research - peer-review › Article in proceedings – Annual report year: 2016

Thermal environment and air quality in office with personalized ventilation combined with chilled ceiling
Research output: Research - peer-review › Journal article – Annual report year: 2015

Transport of gaseous pollutants by convective boundary layer around a human body
Research output: Research - peer-review › Journal article – Annual report year: 2015

Wearable Personal Exhaust Ventilation, WPEV: Improved Indoor Air Quality and Reduced Exposure to Air Exhaled from a Sick Doctor
Research output: Research - peer-review › Journal article – Annual report year: 2015

Air cleaning efficiency of deodorant materials under dynamic conditions: effect of air flow rate
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014

Comparison of radiant and convective cooling of office room: effect of workstation layout
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014
Control of exposure to exhaled air from sick occupant with wearable personal exhaust unit
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014

Convective Heat Transfer Coefficients of the Human Body under Forced Convection from Ceiling
Research output: Research - peer-review › Journal article – Annual report year: 2014

Cooling clothing utilizing water evaporation
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014

Efficiency of deodorant materials for ammonia reduction in indoor air
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014

Experimental investigation of the human convective boundary layer in a quiescent indoor environment
Research output: Research - peer-review › Journal article – Annual report year: 2014

Experimental study on human exposure to occupant generated pollutants in rooms with ductless personalized ventilation
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014

Hospital bed ventilation: impact of operation mode on exposure
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014

Human perception of indoor environment generated by chilled ceiling combined with mixing ventilation or localised chilled beam under cooling mode
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014

Human response to individually controlled micro environment generated with localized chilled beam
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014

Human Response to Personalized Ventilation Combined with Chilled Ceiling
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014

Impact of personalized ventilation combined with chilled ceiling on eye irritation symptoms
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014

Improved inhaled air quality at reduced ventilation rate by control of airflow interaction at the breathing zone with lobed jets
Research output: Research - peer-review › Journal article – Annual report year: 2014

Improvement of thermal comfort by cooling clothing in warm climate
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014

Interaction of convective flow generated by human body with room ventilation flow: impact on transport of pollution to the breathing zone
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014

Local cooling of the human body using ventilated mattress in hospitals
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014

Novel approach for evaluation of air change rate in naturally ventilated occupied spaces based on metabolic CO2 time variation
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014
Novel bed integrated ventilation method for hospital patient rooms
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014

Occupant body movement and seat occupancy rate for design of desk micro-environment
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014

Performance of ductless personalized ventilation in conjunction with displacement ventilation: Physical environment and human response
Research output: Research - peer-review › Journal article – Annual report year: 2014

Performance of personalized ventilation combined with chilled ceiling in an office room: inhaled air quality and contaminant distribution
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014

Performance of radiant cooling ceiling combined with personalized ventilation in an office room: identification of thermal conditions
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014

Personal exposure to cough released droplets in quiescent environment and ventilated spaces
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014

The effects of radiant cooling versus convective cooling on human eye tear film stability and blinking rate
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014

Transport of gaseous pollutants around a human body in quiescent indoor environment
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014

Advanced air distribution for minimizing airborne cross-infection in aircraft cabins
Research output: Research - peer-review › Journal article – Annual report year: 2014

Comparison of the Performance of Chilled Beam with Swirl Jet and Diffuse Ceiling Air Supply: Impact of Heat Load Distribution
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014

Energy Analysis of the Ductless Personalized Ventilation
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014

Experimental investigation on reduced exposure to pollutants indoors by applying wearable personalized ventilation
Research output: Research - peer-review › Article in proceedings – Annual report year: 2013

Exposure Control Indoors with Wearable Personal Exhaust Unit
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014

Exposure to Exhaled Air from a Sick Occupant in a Two-Bed Hospital Room with Mixing Ventilation: Effect of Posture of Doctor and Air Change Rate
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014

Human Response to Ductless Personalised Ventilation: Impact of Air Movement, Temperature and Cleanness on Eye Symptoms
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014

Human Response to Ductless Personalized Ventilation with Local Air Cleaning: Air Quality and Prevalence of SBS Symptoms
Human response to local convective and radiant cooling in a warm environment.
Research output: Research - peer-review › Journal article – Annual report year: 2013

Impact of Air Movement on Eye Symptoms
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014

Mixing Ventilation. Guide on mixing air distribution design
Research output: Research - peer-review › Book – Annual report year: 2014

Performance of Chilled Beam with Radial Swirl Jet and Diffuse Ceiling Air Supply in Heating Mode
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014

Performance of Ductless Personalized Ventilation in Open-Plan Office - Field Survey
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014

Thermal Comfort in Simulated Office Environment with Four Convective and Radiant Cooling Systems
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014

Thermal Conditions in a Simulated Office Environment with Convective and Radiant Cooling Systems
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014

Use of personalized ventilation for improving health, comfort, and performance at high room temperature and humidity
Research output: Research - peer-review › Journal article – Annual report year: 2014

Advanced air distribution for minimizing airborne cross infection in aircraft cabin
Research output: Research - peer-review › Article in proceedings – Annual report year: 2012

Airflow characteristics in the breathing zone of a seated person using desk incorporated pair of confluent jets as personalized ventilation - effect of supply velocities
Research output: Research - peer-review › Paper – Annual report year: 2012

Air movement and perceived air quality
Research output: Research - peer-review › Journal article – Annual report year: 2012

Bed Microenvironment in Hospital Patient Rooms with Natural or Mechanical Ventilation
Research output: Research - peer-review › Article in proceedings – Annual report year: 2012

Ductless personalized ventilation with local air cleaning
Research output: Research - peer-review › Article in proceedings – Annual report year: 2013

Exposure of health care workers and occupants to coughed airborne pathogens in a double-bed hospital patient room with overhead mixing ventilation
Research output: Research - peer-review › Journal article – Annual report year: 2012

Exposure of health care workers and occupants to coughed air in a hospital room with displacement air distribution: impact of ventilation rate and distance from coughing patient
Research output: Research - peer-review › Paper – Annual report year: 2012

Human response to ductless personalized ventilation coupled with displacement ventilation
Research output: Research - peer-review › Article in proceedings – Annual report year: 2013
HVAC systems in a field laboratory for indoor climate study
Research output: Research - peer-review › Article in proceedings – Annual report year: 2012

Impact of geometry of a sedentary occupant simulator on the generated thermal plume: Experimental investigation
Research output: Research - peer-review › Journal article – Annual report year: 2012

Impact of personal factors and furniture arrangement on the thermal plume above a sitting occupant
Research output: Research - peer-review › Journal article – Annual report year: 2012

Inhaled air quality with desk incorporated personalized ventilation (PV): parametric study
Research output: Research - peer-review › Paper – Annual report year: 2012

Radiant Ceiling Panels Combined with Localized Methods for Improved Thermal Comfort of Both Patient and Medical Staff in Patient Room
Research output: Research - peer-review › Article in proceedings – Annual report year: 2012

Reduced exposure to coughed air by a novel ventilation method for hospital patient rooms
Research output: Research - peer-review › Article in proceedings – Annual report year: 2012

Seat headrest-incorporated personalized ventilation: Thermal comfort and inhaled air quality
Research output: Research - peer-review › Journal article – Annual report year: 2011

Subjective study of thermal acceptability of novel enhanced displacement ventilation system and implication of occupants' personal control
Research output: Research - peer-review › Journal article – Annual report year: 2012

The response rate in postal epidemiological studies in the context of national cultural behaviour
Research output: Research - peer-review › Article in proceedings – Annual report year: 2012

Use of local convective and radiant cooling at warm environment
Research output: Research - peer-review › Article in proceedings – Annual report year: 2012

Use of local convective and radiant cooling at warm environment: effect on thermal comfort and perceived air quality
Research output: Research - peer-review › Article in proceedings – Annual report year: 2012

Advanced air distribution
Research output: Research - peer-review › Journal article – Annual report year: 2012

Airflow Characteristics at the Breathing Zone of a Seated Person: Passive Control over the Interaction of the Free Convection Flow and Locally Applied Airflow from Front for Personalized Ventilation Application
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

Airflow Characteristics at the Breathing Zone of a Seated Person: Active Control over the Interaction of the Free Convection Flow and Locally Applied Airflow from Front for Personalized Ventilation Application
Research output: Research › Article in proceedings – Annual report year: 2011

Airflow Characteristics At The Breathing Zone of a Seated Person: Interaction of the Free Convection Flow and an Assisting Locally Supplied Flow From Below for Personalized Ventilation Application
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011
Device and method for reducing spread of microorganisms and airborne health hazardous matter and/or for protection from microorganisms and airborne health hazardous matter
Research output: Research › Patent – Annual report year: 2012

Exposure to exhaled air from a sick occupant in a two-bed hospital room with mixing ventilation: effect of distance from sick occupant and air change rate
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

Impact of air temperature, relative humidity, air movement and pollution on eye blinking
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

Impact of breathing on the thermal plume above a human body
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

Impact of facially applied air movement on the development of the thermal plume above a sitting occupant
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

Indoor Climate Quality Assessment -: Evaluation of indoor thermal and indoor air quality
Research output: Research - peer-review › Book – Annual report year: 2011

Novel ventilation strategy for reducing the risk of airborne cross infection in hospital rooms
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

Performance criteria for a personalized indoor environment
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

Potential energy savings with personalized ventilation coupled with passive chilled beams
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

Thermal comfort and indoor air quality in rooms with integrated personalized ventilation and under-floor air distribution systems
Research output: Research - peer-review › Journal article – Annual report year: 2011

Protection of Occupants from Airborne Transmission of Infectious Agents by Advanced Air Distribution Systems
Research output: Research › Ph.D. thesis – Annual report year: 2010

Ceiling mounted personalized ventilation system in hot and humid climate-An energy analysis
Research output: Research - peer-review › Journal article – Annual report year: 2010

Ceiling-mounted personalized ventilation system integrated with a secondary air distribution system - a human response study in hot and humid climate
Research output: Research - peer-review › Journal article – Annual report year: 2010

Control of the Free Convective Flow around the Human Body for Enhanced Inhaled Air Quality: Application to a Seat-Incorporated Personalized Ventilation Unit
Research output: Research - peer-review › Journal article – Annual report year: 2010

Design of an individually controlled system for an optimal thermal microenvironment
Research output: Research - peer-review › Journal article – Annual report year: 2010

Determination of the integral characteristics of an asymmetrical thermal plume from air speed/velocity and temperature measurements
Research output: Research - peer-review › Journal article – Annual report year: 2010
Does increased ventilation help reduce cross-infection in isolation hospital wards?
Research output: Research - peer-review › Article in proceedings – Annual report year: 2010

Effect of warm air supplied facially on occupants' comfort
Research output: Research - peer-review › Journal article – Annual report year: 2010

Energy analysis of the personalized ventilation system in hot and humid climates
Research output: Research - peer-review › Journal article – Annual report year: 2010

Experimental investigation of performance of a novel ventilation method for hospital patient rooms
Research output: Research - peer-review › Article in proceedings – Annual report year: 2010

Exposure of health care workers to coughed airborne pathogens in a hospital room with overhead mixing ventilation: impact of the ventilation rate and the distance downstream from the coughing patient
Research output: Research - peer-review › Article in proceedings – Annual report year: 2010

Exposure to coughed airborne pathogens in a double bed hospital patient room with overhead mixing ventilation: impact of posture of coughing patient and location of doctor
Research output: Research - peer-review › Article in proceedings – Annual report year: 2010

Impact of boundary conditions on the development of the thermal plume above a sitting human body
Research output: Research - peer-review › Article in proceedings – Annual report year: 2010

Impact of individually controlled facially applied air movement on perceived air quality at high humidity
Research output: Research - peer-review › Journal article – Annual report year: 2010

Performance of "ductless" personalized ventilation in conjunction with displacement ventilation: Impact of disturbances due to walking person(s)
Research output: Research - peer-review › Journal article – Annual report year: 2010

Performance of "ductless" personalized ventilation in conjunction with displacement ventilation: Impact of intake height
Research output: Research - peer-review › Journal article – Annual report year: 2010

Performance of Ductless Personalized Ventilation in Conjunction with Displacement Ventilation: Impact of Workstations Layout and Partitions
Research output: Research - peer-review › Journal article – Annual report year: 2010

Personalized Ventilation integrated with under-floor air distribution system - Protection of occupants from indoor airborne agents
Research output: Research - peer-review › Article in proceedings – Annual report year: 2010

Thermal comfort and IAQ assessment of under-floor air distribution system integrated with personalized ventilation in hot and humid climate
Research output: Research - peer-review › Journal article – Annual report year: 2010

Thermal comfort and Indoor Air Quality in Rooms with Integrated Personalized Ventilation and Under-Floor Air Distribution System, HVA&R Research
Research output: Research - peer-review › Journal article – Annual report year: 2010

Use of Heat-pipe for Energy Efficiency Improvement of Personalized Ventilation System Combined with Under-floor Air Distribution System in a Hot and Humid Climate
Research output: Research - peer-review › Article in proceedings – Annual report year: 2010
Air movement preference and acceptability with personalized ventilation in conjunction with under-floor air supply
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

Assessment of Thermal comfort with the novel Enhanced Displacement Ventilation System in the tropics
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

Control of the free convection around a seated occupant for better air quality performance of personalized ventilation
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

Control of the free convection around occupant body by optimised furniture design
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

Control of the free convection flow around human body by radiant cooling
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

Control of the Free Convection Flow within the Breathing Zone by Confluent Jets for Improved Performance of Personalized Ventilation: Part 1 – Thermal Influence
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

Control of the Free Convection Flow within the Breathing Zone by Confluent Jets for Improved Performance of Personalized Ventilation: Part 2 – Inhaled Air Quality
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

Cooling effect of ceiling mounted personalized ventilation system
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

Energy-saving strategies with personalized ventilation in cold climates
Research output: Research - peer-review › Journal article – Annual report year: 2009

Evaluation of the Cooling Fan Efficiency index for a desk fan and a computer fan
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

Experimental Study of Dispersion and Deposition of Expiratory Aerosols in Aircraft Cabins and Impact on Infectious Disease Transmission
Research output: Research - peer-review › Journal article – Annual report year: 2009

Human perception relation between thermal sensation and air movement for ceiling mounted personalized ventilation system
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

Human response to the thermal environment served by personalized ventilation combined with under-floor air distribution system
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

Impact of intake positioning height on performance of "ductless" personalized ventilation
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

Improved Performance of Personalized Ventilation by Control of the Convection Flow around Occupant Body
Research output: Research - peer-review › Journal article – Annual report year: 2009
Introduction of a Cooling-Fan Efficiency Index
Research output: Research - peer-review › Journal article – Annual report year: 2009

Methods for air cleaning and protection of building occupants from airborne pathogens
Research output: Research - peer-review › Journal article – Annual report year: 2009

Modeling the Fate of Expiratory Aerosols and the Associated Infection Risk in an Aircraft Cabin Environment
Research output: Research - peer-review › Journal article – Annual report year: 2009

Occupant movement analysis of ceiling mounted personalized ventilation system
Research output: Research › Article in proceedings – Annual report year: 2009

Performance evaluation of ceiling mounted personalized ventilation system
Research output: Research - peer-review › Journal article – Annual report year: 2009

Performance of "ductless" personalized ventilation in conjunction with displacement ventilation: impact of walking occupant
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

Prediction of the volume flux of the thermal plume above a sitting person
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

Preferred velocities with individually controlled facially applied air movement at high humidity
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

Reduced exposure to coughed air by advanced air distribution
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

Subjective assessment of thermal comfort in rooms served by the novel enhanced displacement ventilation system with different airflow discharge angles
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

Subjective assessments of air movement for ceiling mounted personalized ventilation system
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

Subjective assessments of indoor environmental quality for ceiling mounted personalized ventilation system
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

Subjective assessments of thermal sensation for ceiling mounted personalized ventilation system
Research output: Research › Article in proceedings – Annual report year: 2009

A comparison between occupants’ and inspectors’ reports on home dampness and their association with the health of children: The ALLHOME study
Research output: Research - peer-review › Journal article – Annual report year: 2008

An Experimental Study on the Fate of Expiratory Droplets in Aircraft Cabin
Research output: Research - peer-review › Article in proceedings – Annual report year: 2008

Avoiding draught discomfort with personalized ventilation used at the low range of comfortable room air temperature
Research output: Research - peer-review › Article in proceedings – Annual report year: 2008

Carbon dioxide concentration measured in homes in Bulgaria included in the ALLHOME-2 study
Research output: Research - peer-review › Article in proceedings – Annual report year: 2008
Cooling effect of ceiling mounted personalized ventilation system
Research output: Research - peer-review › Article in proceedings – Annual report year: 2008

Displacement ventilation in conjunction with personalized ventilation
Research output: Research - peer-review › Article in proceedings – Annual report year: 2008

Distribution of contaminants in the occupied zone of a room served by a novel enhanced displacement ventilation system
Research output: Research - peer-review › Article in proceedings – Annual report year: 2008

Energy analysis of a personalized ventilation system in a cold climate: Influence of the supplied air temperature
Research output: Research - peer-review › Article in proceedings – Annual report year: 2008

Energy saving and improved comfort by increasing air movement
Research output: Research - peer-review › Journal article – Annual report year: 2008

Examination of performance of headset incorporated personalized ventilation unit using CFD method
Research output: Research - peer-review › Article in proceedings – Annual report year: 2008

Impact of air movement on perceived air quality at different level of air pollution and temperature
Research output: Research - peer-review › Article in proceedings – Annual report year: 2008

Impact of air movement on perceived air quality at different level of relative humidity
Research output: Research - peer-review › Article in proceedings – Annual report year: 2008

Impact of Different Types of Fans in a Novel Enhanced Displacement Ventilation System on Vertical Temperature Profile and Air Distribution in a Field Environment Chamber
Research output: Research - peer-review › Article in proceedings – Annual report year: 2008

Impact of Thermal Plumes Generated by Occupant Simulators with Different Complexity of Body Geometry on Airflow Pattern in Rooms
Research output: Research - peer-review › Article in proceedings – Annual report year: 2008

Improvement of CFD predictions of air speed turbulence intensity and draught discomfort
Research output: Research - peer-review › Article in proceedings – Annual report year: 2008

Indoor environmental factors and health effects among children in Bulgaria and Denmark
Research output: Research - peer-review › Journal article – Annual report year: 2008

Local Climate and Heat Loss from Human Body with a Novel Enhanced Displacement Ventilation System
Research output: Research - peer-review › Article in proceedings – Annual report year: 2008

New method for calculation of integral characteristics of thermal plumes
Research output: Research - peer-review › Article in proceedings – Annual report year: 2008

Numerical investigation of dispersion and deposition characteristics of expiratory droplets in aircraft cabin
Research output: Research - peer-review › Article in proceedings – Annual report year: 2008

Optimal dynamic control of water feed temperature for heated/cooled seats in summer conditions
Research output: Research - peer-review › Article in proceedings – Annual report year: 2008
Potential cooling energy savings of increasing air movement to set off the increase of operative temperature in office rooms
Research output: Research - peer-review › Article in proceedings – Annual report year: 2008

Subjective Assessment of Thermal Environment in a Room Ventilated by a Novel Enhanced Displacement Ventilation System
Research output: Research - peer-review › Article in proceedings – Annual report year: 2008

The association of pet keeping at home with symptoms in airways, nose and skin among Bulgarian children
Research output: Research - peer-review › Journal article – Annual report year: 2008

Human perception of local air movement in the Tropics
Research output: Research › Ph.D. thesis – Annual report year: 2007

Accuracy limitations for low velocity measurements and draft assessment in rooms
Research output: Research - peer-review › Journal article – Annual report year: 2007

Air distribution in rooms
Research output: Education › Compendium/lecture notes – Annual report year: 2007

Air distribution in rooms with active chilled beams
Research output: Research - peer-review › Article in proceedings – Annual report year: 2007

An index for evaluation of air quality improvement in rooms with personalized ventilation based on occupied density and normalized concentration
Research output: Research - peer-review › Article in proceedings – Annual report year: 2007

Assessment of uncertainty in measurements with low velocity thermal anemometers
Research output: Research - peer-review › Journal article – Annual report year: 2007

A study on distribution of carbon dioxide produced by people in three residential buildings
Research output: Research - peer-review › Article in proceedings – Annual report year: 2007

Comfortable and Healthy Indoor Environment
Research output: Education › Compendium/lecture notes – Annual report year: 2007

Human response to an individually controlled microenvironment
Research output: Research - peer-review › Journal article – Annual report year: 2007

Human response to thermal environment in rooms with chilled beams
Research output: Research - peer-review › Article in proceedings – Annual report year: 2007

Identification of Occupants’ Activities in Practice
Research output: Research - peer-review › Article in proceedings – Annual report year: 2007

Impact of personal factors and furniture arrangement on the thermal plume above a human body
Research output: Research - peer-review › Article in proceedings – Annual report year: 2007

Impact of the airflow interaction on occupants’ thermal comfort in rooms with active chilled beams
Research output: Research - peer-review › Article in proceedings – Annual report year: 2007

Individual control of office microenvironment
Research output: Education › Compendium/lecture notes – Annual report year: 2007
Influence of different office arrangements on efficiency of displacement ventilation
Research output: Research - peer-review › Article in proceedings – Annual report year: 2007

Influence of geometry of thermal manikins on concentration distribution and personal exposure
Research output: Research - peer-review › Journal article – Annual report year: 2007

Local air distribution effects in rooms with chilled beams
Research output: Research - peer-review › Article in proceedings – Annual report year: 2007

Measurement and prediction of indoor air quality using a breathing thermal manikin
Research output: Research - peer-review › Journal article – Annual report year: 2007

Methods for indoor air disinfection and purification from airborne pathogens for application in HVAC systems
Research output: Research - peer-review › Article in proceedings – Annual report year: 2007

New solutions for thermal comfort and ventilation, Development of residence and office buildings in Denmark till 2013
Research output: Education › Compendium/lecture notes – Annual report year: 2007

Novel idea of enhancement displacement ventilation system in small offices in the tropics
Research output: Research - peer-review › Article in proceedings – Annual report year: 2007

Personal exposure between people in a room ventilated by textile terminals - with and without personalized ventilation
Research output: Research - peer-review › Journal article – Annual report year: 2007

Personalised ventilation: State of the art
Research output: Education › Compendium/lecture notes – Annual report year: 2007

Personal Ventilation: from research to practical use
Research output: Research - peer-review › Article in proceedings – Annual report year: 2007

Personal Ventilation: Impact of airflow direction at the breathing zone on inhaled air quality
Research output: Research - peer-review › Article in proceedings – Annual report year: 2007

Protection of occupants from exhaled infectious agents and floor material emissions in rooms with personalized and underfloor ventilation
Research output: Research - peer-review › Journal article – Annual report year: 2007

Reducing cross-infection in aircraft cabins
Research output: Research - peer-review › Report – Annual report year: 2007

Seat incorporated personalized ventilation
Research output: Research - peer-review › Article in proceedings – Annual report year: 2007

Seat incorporated personalized ventilation
Research output: Research - peer-review › Article in proceedings – Annual report year: 2007

Targets for thermal comfort: definition of comfort zone, measurement arrangement and analyses of results
Research output: Education › Compendium/lecture notes – Annual report year: 2007
The impact of thermal loads on indoor airflows
Research output: Research - peer-review › Article in proceedings – Annual report year: 2007

The influence of heated or cooled seats on the acceptable ambient temperature range
Research output: Research - peer-review › Journal article – Annual report year: 2007

Thermal plume above a simulated sitting person with different complexity of body geometry
Research output: Research - peer-review › Article in proceedings – Annual report year: 2007

The strength of thermal plume: the interaction of thermal plumes and air jets, Workshop 1 – Thermal plumes: modelling the plumes and analyzing, the effect on the air distribution
Research output: Education › Compendium/lecture notes – Annual report year: 2007

Why ventilation?
Research output: Education › Compendium/lecture notes – Annual report year: 2007

Airflow distribution in rooms with chilled beams
Research output: Research - peer-review › Article in proceedings – Annual report year: 2006

Air quality and thermal comfort in an office with underfloor, mixing and displacement ventilation
Research output: Research - peer-review › Journal article – Annual report year: 2006

ALLHOME study, 2006: Clinical signs of allergy and sensitization of pediatric population in two big cities in Bulgaria
Research output: Research › Article in proceedings – Annual report year: 2006

Composition and diversity of biological indoor allergens in mattress dust: ALLHOME study, phase 2
Research output: Research › Article in proceedings – Annual report year: 2006

Environmental tobacco smoke and health symptoms among children in the ALLHOME study
Research output: Research › Article in proceedings – Annual report year: 2006

Human response to five designs of personalized ventilation
Research output: Research - peer-review › Journal article – Annual report year: 2006

New method for ventilation measurement in homes based on CO2 produced by people-laboratory study
Research output: Research - peer-review › Article in proceedings – Annual report year: 2006

Performance of personalized ventilation in conjunction with mixing and displacement ventilation
Research output: Research - peer-review › Journal article – Annual report year: 2006

Physical measurements and IAQ assessment in university classrooms: the effect of windows’ replacement
Research output: Research › Article in proceedings – Annual report year: 2006

Prevalence of SBS symptoms in residential buildings in Bulgaria
Research output: Research › Article in proceedings – Annual report year: 2006

The acceptable air velocity range for local air movement in the Tropics
Research output: Research - peer-review › Journal article – Annual report year: 2006

The preference for local air movement at the facial region during long-term exposure in the tropics
Research output: Research - peer-review › Article in proceedings – Annual report year: 2006
Validation of CO2 method for ventilation measurements in dwellings – Laboratory study
Research output: Research › Article in proceedings – Annual report year: 2006

Validation of self-reported health symptoms and housing characteristics in the ALLHOME project
Research output: Research › Article in proceedings – Annual report year: 2006

A benchmark database and validation method for CFD predictions of airflow in a room
Research output: Research › Article in proceedings – Annual report year: 2005

Air quality and thermal comfort in room with underfloor, displacement and mixing ventilation
Research output: Research › Article in proceedings – Annual report year: 2005

ALLHOME project group, 2006: Allergy/asthma and keeping pets in early childhood: a cross-sectional survey of 6155 children in Bulgaria
Research output: Research › Article in proceedings – Annual report year: 2006

A visual description of the convective flow field around the heat of a human
Research output: Research › peer-review › Journal article – Annual report year: 2005

Evaluation of an Individually Controlled Environment by Means of a Breathing Thermal Manikin
Research output: Research › peer-review › Article in proceedings – Annual report year: 2005

Field study of occupants thermal comfort in rooms with displacement ventilation
Research output: Research › peer-review › Journal article – Annual report year: 2005

Findings of personalized ventilation studies in a hot and humid climate
Research output: Research › peer-review › Journal article – Annual report year: 2005

Housing characteristics in Sweden and Bulgaria: two questionnaire studies
Research output: Research › Article in proceedings – Annual report year: 2005

Human perception to local air movement and optimal air velocity range for local air movement in the Tropics
Research output: Research › peer-review › Article in proceedings – Annual report year: 2005

Human response to an individually controlled environment
Research output: Research › Article in proceedings – Annual report year: 2005

Individuel kontrolleret indeklima
Research output: Research › Journal article – Annual report year: 2005

Investigation of Turbulent Convection and Transport of Contaminants in Vehicle Compartments by a Breathing Thermal Manikin
Research output: Research › Article in proceedings – Annual report year: 2005

Metody testowania osobistej wentylacji
Research output: Research › Book chapter – Annual report year: 2005

Personal exposure between people in a room ventilated by textile terminals – with and without personalized ventilation
Research output: Research › peer-review › Article in proceedings – Annual report year: 2005
Personal exposure between people in a room ventilated by textile terminals - with and without personalized ventilation
Research output: Research › Article in proceedings – Annual report year: 2005

Personlig ventilation
Research output: Research › Article in proceedings – Annual report year: 2005

Prevalence of asthma, allergic rhinitis and atopic dermatitis in children at 2-8 years of age in two big cities in Bulgaria
Research output: Research › Article in proceedings – Annual report year: 2005

The home environment and allergies among Bulgarian children
Research output: Research › Article in proceedings – Annual report year: 2005

Wymagania stawiane środowisku wewntrznemu i jego ocean
Research output: Research › Book chapter – Annual report year: 2005

Air quality evaluation in rooms with personalized ventilation and different occupant distributions
Research output: Research › peer-review › Article in proceedings – Annual report year: 2004

Assessment of the thermal environment in an aircraft cabin
Research output: Research › peer-review › Article in proceedings – Annual report year: 2004

Breathing thermal manikins for indoor environment assessment: important characteristics and requirements
Research output: Research › peer-review › Journal article – Annual report year: 2004

Comparison of different methods for the determination of dynamic characteristics of low velocity anemometers
Research output: Research › peer-review › Journal article – Annual report year: 2004

Design Strategies for Personalized Ventilation
Research output: Research › Ph.D. thesis – Annual report year: 2004

Distribution of carbon dioxide produced by people in a room: Part 1 - Laboratory study
Research output: Research › peer-review › Article in proceedings – Annual report year: 2004

Distribution of Carbon Dioxide Produced by People In a Room: Part 2 - Field Study
Research output: Research › peer-review › Article in proceedings – Annual report year: 2004

Distribution of contaminants in the occupied zone of a room with personalized and displacement ventilation
Research output: Research › peer-review › Article in proceedings – Annual report year: 2004

Human response to personalized ventilation and mixing ventilation
Research output: Research › peer-review › Journal article – Annual report year: 2004

Improved interpretation and validation of CFD predictions
Research output: Research › peer-review › Article in proceedings – Annual report year: 2004

Improving comfort and health with personalized ventilation
Research output: Research › peer-review › Article in proceedings – Annual report year: 2004

Individually Controlled Indoor Environment
Research output: Research › peer-review › Article in proceedings – Annual report year: 2004
Personalized ventilation
Research output: Research › Conference abstract for conference – Annual report year: 2004

Personalized ventilation
Research output: Research - peer-review › Journal article – Annual report year: 2004

Segmental equivalent temperature determined by means of a thermal manikin: A method for correcting errors due to incomplete contact of the body with a surface
Research output: Research - peer-review › Article in proceedings – Annual report year: 2004

Thermal comfort of seated occupants in rooms with personalized ventilation combined with mixing or displacement ventilation
Research output: Research - peer-review › Article in proceedings – Annual report year: 2004

Thermal sensation and comfort with five different air terminal devices for personalized ventilation
Research output: Research › Conference abstract for conference – Annual report year: 2004

Thermal sensation and comfort with five different air terminal devices for personalized ventilation
Research output: Research - peer-review › Article in proceedings – Annual report year: 2004

Total uncertainty of low velocity thermal anemometers for measurement of indoor air movements
Research output: Research - peer-review › Article in proceedings – Annual report year: 2004

Transmission of exhaled air between occupants in rooms with personalized and underfloor ventilation
Research output: Research - peer-review › Article in proceedings – Annual report year: 2004

Breathing thermal manikin for indoor environment assessment: Important characteristics and requirements
Research output: Research - peer-review › Article in proceedings – Annual report year: 2003

Energy efficiency potential of personalized ventilation system in the tropics
Research output: Research - peer-review › Article in proceedings – Annual report year: 2003

Human Response to Air Movement - Evaluation of ASHRAE’s Draft Criteria
Research output: Research - peer-review › Journal article – Annual report year: 2003

Human response to personalised ventilation
Research output: Research › Ph.D. thesis – Annual report year: 2003

Impact of airflow interaction on inhaled air quality and transport of contaminants in rooms with personalized and total volume ventilation
Research output: Research - peer-review › Article in proceedings – Annual report year: 2003

New air terminal devices with high efficiency for personalized ventilation application
Research output: Research - peer-review › Article in proceedings – Annual report year: 2003

Osobni Větráni (Personalized ventilation)
Research output: Communication › Report – Annual report year: 2003

Performance of personalized ventilation in a room with an underfloor air distribution system: transport of contaminants between occupants
Research output: Research - peer-review › Article in proceedings – Annual report year: 2003
Personalized ventilation: air terminal devices with high efficiency
Research output: Research - peer-review › Article in proceedings – Annual report year: 2003

Preliminary findings of a pilot study of personalized ventilation in a hot and humid climate
Research output: Research - peer-review › Article in proceedings – Annual report year: 2003

The impact of a personalized ventilation system on indoor air quality at different levels of room air temperature
Research output: Research - peer-review › Article in proceedings – Annual report year: 2003

Turbulent and stationary convective flow field around the head of a human
Research output: Research - peer-review › Article in proceedings – Annual report year: 2003

Equivalent frequency - a new parameter for description of frequency characteristics of airflow fluctuations
Research output: Research - peer-review › Article in proceedings – Annual report year: 2002

Field survey of occupants thermal comfort in rooms with displacement ventilation
Research output: Research - peer-review › Article in proceedings – Annual report year: 2002

Human preference for air movement
Research output: Research - peer-review › Article in proceedings – Annual report year: 2002

Impact of equivalent frequency on the sensation of draught
Research output: Research - peer-review › Article in proceedings – Annual report year: 2002

Impact of personalized ventilation on human response: comparison between constant and fluctuating airflows under warm condition
Research output: Research - peer-review › Article in proceedings – Annual report year: 2002

Individual control and people's preferences in experiments with personalized ventilation system
Research output: Research - peer-review › Article in proceedings – Annual report year: 2002

Integrating CFD and building simulation
Research output: Research - peer-review › Journal article – Annual report year: 2002

Local comfort and air quality quantification via integrated building simulation
Research output: Research - peer-review › Article in proceedings – Annual report year: 2002

Measurements and prediction of inhaled air quality with personalized ventilation
Research output: Research - peer-review › Article in proceedings – Annual report year: 2002

Perceived air quality and thermal sensation with personalised ventilation system
Research output: Research - peer-review › Article in proceedings – Annual report year: 2002

Performance of displacement ventilation in practice
Research output: Research - peer-review › Article in proceedings – Annual report year: 2002

Personalized ventilation: evaluation of different air terminal devices
Research output: Research - peer-review › Journal article – Annual report year: 2002

PIV measurements at the breathing zone with personalized
Research output: Research - peer-review › Article in proceedings – Annual report year: 2002
Response of low velocity thermal anemometers to step-up and step-down changes of velocity
Research output: Research - peer-review › Article in proceedings – Annual report year: 2002

Roomvent 2002. Proceedings of the 8th International Conference on Air Distribution in rooms
Research output: Research - peer-review › Book – Annual report year: 2002

The effect of a personalized ventilation system on perceived air quality and SBS symptoms
Research output: Research - peer-review › Article in proceedings – Annual report year: 2002

Indoor air quality assessment by a breathing thermal manikin
Research output: Research - peer-review › Article in proceedings – Annual report year: 2000

Design of a localised ventilation
Research output: Research - peer-review › Article in proceedings – Annual report year: 1999

Menneskers oplevelse af træk
Research output: Research › Journal article – Annual report year: 1999

Accuracy requirements and limitations for low velocity measurements
Research output: Research - peer-review › Article in proceedings – Annual report year: 1998

Human response to local heating for use in connection with low enthalpy ventilation
Research output: Research - peer-review › Article in proceedings – Annual report year: 1998

I. Care: Requirements and guidelines for low velocity measurements
Research output: Research - peer-review › Article in proceedings – Annual report year: 1998

Impact of natural convection on accuracy of low velocity measurements by thermal anemometers with omnidirectional sensor
Research output: Research › Journal article – Annual report year: 1998

Impact of velocity and temperature fluctuations on the accuracy of low velocity measurements indoors by thermal anemometers
Research output: Research › Journal article – Annual report year: 1998

Individuelt indeklima med lokal opvarmning
Research output: Research › Journal article – Annual report year: 1998

New method for testing dynamic characteristics of low velocity thermal anemometers
Research output: Research - peer-review › Article in proceedings – Annual report year: 1998

Requirements and guidelines for low velocity measurements
Research output: Research - peer-review › Journal article – Annual report year: 1998

Test methods for describing directional sensitivity of anemometers for low velocity measurements indoors
Research output: Research - peer-review › Journal article – Annual report year: 1998

Thermal environment: design and assessment
Research output: Research › Journal article – Annual report year: 1998
Airflow direction and discomfort due to draught
Research output: Research - peer-review › Book chapter – Annual report year: 1997

Air temperature fluctuations in rooms
Research output: Research › Journal article – Annual report year: 1997

Badania właściwości dynamicznych termoanemometrów do pomiaru bardzo małych prędkości powietrza w pomieszczeniach
Research output: Research › Journal article – Annual report year: 1997

Design and assessment of indoor environment
Research output: Research › Article in proceedings – Annual report year: 1997

Airflow characteristics of a wind tunnel for testing low velocity thermal anemometers
Research output: Research › Article in proceedings – Annual report year: 1996

Air movement at the neck of the human body
Research output: Research › Article in proceedings – Annual report year: 1996

Calibration and requirements for accuracy of thermal anemometers for indoor velocity measurements: progress report, Phase 2
Research output: Research › Report – Annual report year: 1996

Dynamic response of SwemaAir 300 thermal anemometer with SWA-01 velocity transducer
Research output: Research › Report – Annual report year: 1996

Dynamic response of thermal anemometers for low velocity measurements indoors
Research output: Research › Article in proceedings – Annual report year: 1996

Effekt af luftstrømnings retning på menneskers opfattelse af træk
Research output: Research › Report – Annual report year: 1996

Laser Doppler measurements of airflow characteristics in rooms with mechanical ventilation
Research output: Research › Article in proceedings – Annual report year: 1996

VOC generation system for indoor air quality studies
Research output: Research › Article in proceedings – Annual report year: 1996

Cooling with air jets - Airflow around the human body
Research output: Research › Article in proceedings – Annual report year: 1994

Spot Cooling - Part 1: Human response to cooling with air jet
Research output: Research › Journal article – Annual report year: 1994

Spot Cooling - Part 2: Recommendations for design of spot cooling systems
Research output: Research › Journal article – Annual report year: 1994
Air velocity measurements indoors using thermal anemometers with a hot-sphere type sensor
Research output: Research - peer-review › Article in proceedings – Annual report year: 1993

Creating comfortable thermal environment – How to do it?
Research output: Research - peer-review › Article in proceedings – Annual report year: 1993

Human thermal sensation: frequency response to sinusoidal stimuli at the surface of the skin
Research output: Research - peer-review › Journal article – Annual report year: 1993

Is it necessary to measure air turbulence when assessing draught risk?
Research output: Research - peer-review › Article in proceedings – Annual report year: 1993

Low velocity measurements: Comparative study of different anemometers
Research output: Research - peer-review › Article in proceedings – Annual report year: 1992

An experimental study on convection heat transfer coefficient distribution on a thermal manikin exposed to airflow with various velocities and turbulence intensities
Research output: Research - peer-review › Journal article – Annual report year: 1991

Airflow characteristics in the occupied zone of rooms with displacement ventilation
Research output: Research - peer-review › Journal article – Annual report year: 1990

Displacement ventilation – Airflow in the near zone
Research output: Research - peer-review › Article in proceedings – Annual report year: 1990

Draught risk in practice
Research output: Research - peer-review › Article in proceedings – Annual report year: 1989

Local thermal discomfort due to draft and vertical temperature difference in rooms with displacement ventilation
Research output: Research - peer-review › Journal article – Annual report year: 1989

Turbulence and draft
Research output: Research - peer-review › Journal article – Annual report year: 1989

Airflow characteristics in the occupied zone of heated spaces without mechanical ventilation
Research output: Research - peer-review › Journal article – Annual report year: 1988

Air Turbulence and sensation of draught
Research output: Research - peer-review › Journal article – Annual report year: 1988

Airflow characteristics in the occupied zone of ventilated spaces
Research output: Research - peer-review › Journal article – Annual report year: 1987

Draught and turbulence
Research output: Research - peer-review › Article in proceedings – Annual report year: 1987

Mean velocity and turbulence intensity in ventilated and unventilated spaces
Research output: Research - peer-review › Article in proceedings – Annual report year: 1987
The impact of turbulence on draught
Research output: Research - peer-review › Article in proceedings – Annual report year: 1987

Field measurements of characteristics of turbulent air flow in the occupied zone of ventilated spaces
Research output: Research - peer-review › Article in proceedings – Annual report year: 1985

An investigation of flow characteristics at propeller open water tests and in behind conditions using thermoanemometric probe
Research output: Research - peer-review › Article in proceedings – Annual report year: 1984

A relation between the averaged time velocity and the longitudinal turbulent velocity pulsation along the centre line of a free jet
Research output: Research - peer-review › Journal article – Annual report year: 1980

On the structure of a submerged axis-symmetric jet in its initial region
Research output: Research - peer-review › Journal article – Annual report year: 1980

Non-homogeneous mass exchange in round nozzle dryers
Research output: Research - peer-review › Journal article – Annual report year: 1979

Frequency spectra of turbulent pulsation in an axis-symmetric free jet behind a turbulating grid
Research output: Research - peer-review › Journal article – Annual report year: 1978

Projects:

Localized chilled beam combined with chilled ceiling in single office
Project: Research

Healthy and sleep stimulating bed micro-environment
Project: Research

Improved methodology for CO2 based design of building ventilation
Project: Research

Quilts for generating healthy and sleep stimulating bed micro-environment: Part I – Testing methodology and characteristics of quilts
Project: Research

Healthy and sleep stimulating bed micro-environment
Project: Research

Human Exposure to Aerosol Contaminants in Modern Microenvironments
Project: Research

Use of deodorant material and advanced air distribution for reduction of exposure to indoor pollution
Project: Research

Impact of human convective boundary layer on inhaled air quality and its protective role under different ventilation strategies
Project: PhD
Control of Indoor Airflows for Reduction of Human Exposure to Aerosol Contaminants
Project: PhD

Luftkvalitet og luftskifte for sunde boliger
Project: PhD

Methods for Measurements of Ventilation in Homes, and Ventilation Requirements for Healthy Indoor Home Environments
Project: PhD

Computational and Experimental Prediction of Indoor Environmental Quality
Project: PhD

Active Indoor air cleaning and heat recovery technology for energy saving of building ventilation
Project: PhD

Personalized ventilation
Project: PhD

Airflow Interactions in Rooms - Convective Plumes Generated by Occupants
Project: PhD

Enhancement of stress based cantilever assays through chemical functionalization
Project: PhD

Design Strategies for Personalized Ventilation Systems
Project: PhD

Building Thermal Energy Storage
Project: PhD

Human response to cooling with air jets
Project: Research

Dynamic Response of SWEMAAIR 300 Thermal Anemometer with SWA-01 Velocity Transducer
Project: Research

Accuracy of Draught Measurement
Project: Research

Integrated Design Optimisation of Building Energy Performance and Indoor Environment
Project: Research

Evaluation of energy efficient personalized air units for enhanced ventilation in the tropics
Project: Research

Optimal Seat Control Algorithm
Project: Research

Human response to Personalized Ventilation
Project: Research
Development of Air terminal Device with High Efficiency  
Project: Research

Development of Highly Efficient Personalized Ventilation for Crowded Spaces  
Project: Research

ALLHOME – A study on the Relation between Allergy/Asthma and Indoor Air Quality in Homes in Bulgaria  
Project: Research

Ventilation measurement in homes based on metabolic CO2 produced by people  
Project: Research

Assessment of Thermal Environment In Aircraft Cabin  
Project: Research

Human convective boundary layer and its impact on human exposure  
Project: Research

Evaluation of Performance of newly developed enhanced displacement ventilation in office environment in the tropics  
Project: Research

Evaluation of performance characteristics of newly developed ceiling mounted personalized and mixing ventilation system  
Project: Research

Convective plumes generated by occupants  
Project: Research

Personalised ventilation – demonstration projec  
Project: Research

Human response to non-uniform environment generated by "nested" chilled beams  
Project: Research

Human response to radiant and convective non-uniform coolin  
Project: Research

Evaluation of Performance of newly developed enhanced displacement ventilation in office environment in the tropics  
Project: Research

Evaluation of performance characteristics of newly developed ceiling mounted personalized and mixing ventilation system  
Project: Research

Human perception of air movement: Impact of airflow frequency and direction on the sensation of draught  
Project: Research

Chilled beams – control of air distribution and its impact on human response  
Project: Research

Efficient air distribution methods  
Project: Research
Performance Indicators for Health, Comfort and Safety of the Indoor Environment
Project: Research

ACCURACY OF DRAUGHT MEASUREMENT
Project: Research

Ductless personalized ventilation* – a novel method of air distribution in spaces (human response and energy performance)
Project: Research

Human response to exposed chilled beams with incorporated radiant panel
Project: Research

Use of deodorant material and advanced air distribution for reduction of exposure to indoor pollution
Project: Research

Human Exposure to Aerosol Contaminants in Modern Microenvironments
Project: Research

Cooling ceiling combined with personalized ventilation – occupant response and energy consumption
Project: Research

Room velocities and person perception for room conditions with chilled beam systems
Project: Research

Novel ventilation for hospital beds to reduce airborne cross-contamination with bacteria and other microorganisms in old and new hospitals
Project: Research

Human response to air movements - preference and draft discomfort
Project: Research

Calibration and requirements for accuracy of thermal anemometers for indoor velocity measurements
Project: Research

Development of standardised test methods for the evaluation of thermal climate in vehicles
Project: Research

Activities:

Building and Environment (Journal)
Activity: Research › Peer review of manuscripts

Design of Indoor Environment by Creating Shared Values
Activity: Talks and presentations › Conference presentations

Future Trends in Design and Control of Space Ventilation and Environment
Activity: Talks and presentations › Conference presentations

International Association of Underground Space Environments (IA-USE) (External organisation)
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar
Human Body Micro-Environment: The Benefits of its Control
Activity: Talks and presentations › Conference presentations

Ventilation of Buildings - Future Development
Activity: Talks and presentations › Conference presentations

Advanced ventilation: improved indoor environment and energy saving
Activity: Talks and presentations › Conference presentations

Air distribution in rooms and vehicle compartments
Activity: Talks and presentations › Conference presentations

Human Body Micro-Environment: The Benefits of its Measurement & Control
Activity: Talks and presentations › Conference presentations

Ventilation and Air Distribution: Present State and Future Challenges
Activity: Talks and presentations › Conference presentations

R&D on thermal comfort, indoor air quality and energy saving in buildings- focus on aging people
Activity: Talks and presentations › Conference presentations

Ventilation and Air Distribution for Improved Health, Comfort, Performance and Energy Saving in Buildings- Future Challenges
Activity: Talks and presentations › Conference presentations

Ventilation and Air Distribution - Future Challenges
Activity: Talks and presentations › Conference presentations

ASHRAE (External organisation)
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

Advanced Air Distribution
Activity: Talks and presentations › Conference presentations

Building Research and Information (Journal)
Activity: Research › Peer review of manuscripts

Journal of Building Performance Simulation (Journal)
Activity: Research › Peer review of manuscripts

Risk Analysis (Journal)
Activity: Research › Peer review of manuscripts

Science of the Total Environment (Journal)
Activity: Research › Peer review of manuscripts

Textile Research Journal (Journal)
Activity: Research › Peer review of manuscripts
Applied Thermal Engineering (Journal)
Activity: Research › Peer review of manuscripts

Building and Environment (Journal)
Activity: Research › Journal editor

Building Simulation (Journal)
Activity: Research › Peer review of manuscripts

International Journal of Industrial Ergonomics (Journal)
Activity: Research › Peer review of manuscripts

Journal of Aerospace Engineering (Journal)
Activity: Research › Peer review of manuscripts

Journal of Healthcare Engineering (Journal)
Activity: Research › Peer review of manuscripts

Journal of Renewable and Sustainable Energy (Journal)
Activity: Research › Peer review of manuscripts

Journal of the Air and Waist Management Association (Journal)
Activity: Research › Peer review of manuscripts

A S H R A E Journal (Journal)
Activity: Research › Peer review of manuscripts

Journal of Hazardous Materials (Journal)
Activity: Research › Peer review of manuscripts

Aerosol Science and Technology (Journal)
Activity: Research › Peer review of manuscripts

Energy and Buildings (Journal)
Activity: Research › Peer review of manuscripts

ASHRAE (External organisation)
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

ASHRAE (External organisation)
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

HVAC & R Research (Journal)
Activity: Research › Peer review of manuscripts

Journal of the Royal Society. Interface (Journal)
Activity: Research › Peer review of manuscripts

Journal of Ventilation (Journal)
Activity: Research › Peer review of manuscripts
Building Services Engineering Research & Technology (Journal)
Activity: Research › Peer review of manuscripts

ASHRAE (External organisation)
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

International Journal on Architectural Science (Journal)
Activity: Research › Journal editor

Building and Environment (Journal)
Activity: Research › Peer review of manuscripts

Indoor Air Online (Journal)
Activity: Research › Peer review of manuscripts

Prizes:

ASHRAE Fellow Award
Prize: Prizes, scholarships, distinctions

Best paper Award for 2016 Building and Environment Journal
Prize: Prizes, scholarships, distinctions

Best paper published in The International Journal of HVAC&R Research for 2013
Prize: Prizes, scholarships, distinctions

Best Technical/Symposium Paper Award
Prize: Prizes, scholarships, distinctions

Distinguished Services Award
Prize: Prizes, scholarships, distinctions

Gold Medal for young researchers
Prize: Prizes, scholarships, distinctions

Honorary Member of BULSHRAE
Prize: Prizes, scholarships, distinctions

International Honorary Member of the Society of Heating, Air-Conditioning and Sanitary Engineers of Japan (SHASE)
Prize: Prizes, scholarships, distinctions

Medal for long-standing contribution to the field of environmental engineering
Prize: Prizes, scholarships, distinctions

Member of the International Academy of Indoor Air Sciences
Prize: Prizes, scholarships, distinctions

Rydberg Gould Medal of SCANVAC
Prize: Prizes, scholarships, distinctions
Press clippings:

**Novel ventilation reduces infections in hospitals**
Press/Media: Press / Media

**Luften i flyet er bedre end sit rygte**
Press/Media: Press / Media

**Luftrenser på senge stopper smitte**
Press/Media: Press / Media

**Ny DTU-opfindelse stopper smittespredning på hospitaler**
Press/Media: Press / Media