Mariya Petrova Bivolarova - DTU Orbit (01/11/2018)

Bivolarova, Mariya Petrova
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Department of Civil Engineering - Postdoc
Indoor Environment

Research outputs:

Accurate assessment of exposure using tracer gas measurements
Kierat, W., Bivolarova, M., Zavrl, E., Popiolek, Z. & Melikov, A. 2018 In : Building and Environment. 131, p. 163-173
Research output: Research - peer-review › Journal article – 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

Control of Indoor Airflows for Reduction of Human Exposure to Aerosol Contaminants
Research output: Research › Ph.D. thesis – 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

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

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

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

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

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

Efficiency of deodorant materials for ammonia reduction in indoor air
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 bed integrated ventilation method for hospital patient rooms
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014

Projects:

Healthy and sleep stimulating bed micro-environment
02/01/2017 → 31/12/2018
Project: Research

Improved methodology for CO2 based design of building ventilation
Melikov, A. K. & Bivolarova, M. P.
01/01/2018 → 31/12/2019
Project: Research

Quilts for generating healthy and sleep stimulating bed micro-environment: Part I – Testing methodology and characteristics of quilts
Melikov, A. K. & Bivolarova, M. P.
02/01/2017 → 01/03/2018
Project: Research

Healthy and sleep stimulating bed micro-environment
Project: Research

**Human Exposure to Aerosol Contaminants in Modern Microenvironments**
Melikov, A. K., Bolashikov, Z. D. & Bivolarova, M. P.
01/01/2013 → 01/01/2014

Project: Research

**Use of deodorant material and advanced air distribution for reduction of exposure to indoor pollution**
Melikov, A. K., Bolashikov, Z. D., Bivolarova, M. P. & Mizutani, C.
01/01/2013 → 03/07/2017

Project: Research

**Control of Indoor Airflows for Reduction of Human Exposure to Aerosol Contaminants**
Bivolarova, M. P., Melikov, A. K., Bolashikov, Z. D., Wargocki, P., Cao, G. & Kosonen, R.
Marie Curie (EU-stipendium)
01/07/2013 → 26/09/2017

Project: PhD

**Use of deodorant material and advanced air distribution for reduction of exposure to indoor pollution**
Melikov, A. K., Bolashikov, Z. D., Bivolarova, M. P. & Mizutani, C.
01/03/2013 → 31/12/2014

Project: Research

**Human Exposure to Aerosol Contaminants in Modern Microenvironments**
Melikov, A. K., Bolashikov, Z. D. & Bivolarova, M. P.
01/01/2013 → 31/12/2016

Project: Research

**Activities:**

**Flow Measurement**
Bivolarova, M. P. (Invited speaker)
13 Oct 2016
Activity: Talks and presentations › Conference presentations

**Prizes:**

**Professor P. Ole Fanger’s Award**
Mariya Petrova Bivolarova (Recipient), 13 Apr 2016
Prize: Prizes, scholarships, distinctions