Jørn Toftum - DTU Orbit (02/11/2018)

Toftum, Jørn
jt@byg.dtu.dk
Department of Civil Engineering - Professor
Indoor Environment

Research outputs:

Occupant response to different correlated colour temperatures of white LED lighting
Research output: Research - peer-review › Journal article – Annual report year: 2018

Byggeteknisk forskning i tiden fremover
Research output: Research › Editorial – Annual report year: 2018

Comparison of geometrical layouts for a multi-box aerosol model from a single-chamber dispersion study
Research output: Research › Research - peer-review › Journal article – Annual report year: 2018

Development of the ASHRAE Global Thermal Comfort Database II
Research output: Research › Research - peer-review › Journal article – Annual report year: 2018

Fifty years of Fanger's equation: Is there anything to discover yet?
Research output: Research › Research - peer-review › Journal article – Annual report year: 2018

Occupant response to controllable LED lighting
Research output: Research › Research - peer-review › Paper – Annual report year: 2018

Retrofit of school ventilation and pupil well-being and performance being and performance – ASHRAE RP1624
Research output: Research › Research - peer-review › Paper – Annual report year: 2018

Warm or Cold Feelings: Estimating Biases in Field Studies
Research output: Research › Research - peer-review › Conference abstract for conference – Annual report year: 2018

Window and door opening behavior, carbon dioxide concentration, temperature, and energy use during the heating season in classrooms with different ventilation retrofits—ASHRAE RP1824
Heebøll, A., Wargocki, P. & Toftum, J. 2018 In : Science and Technology for the Built Environment. 24, 6, p. 626-637
Research output: Research › Research - peer-review › Journal article – Annual report year: 2018
Assessing dermal exposure to nicotine - an interdisciplinary approach.
Research output: Research › peer-review › Conference abstract in proceedings – Annual report year: 2017

Dermal uptake of benzophenone-3 from clothing
Research output: Research › peer-review › Article in proceedings – Annual report year: 2017

Dermal Uptake of Benzophenone-3 from Clothing
Research output: Research › peer-review › Journal article – Annual report year: 2017

Dermal uptake of nicotine from air and clothing: Experimental verification
Research output: Research › peer-review › Journal article – Annual report year: 2017

Effective Energy-efficient Classroom Ventilation for Temperate Zones
Toftum, J. & Wargocki, P. 2017 Technical University of Denmark, Department of Civil Engineering. 188 p.
Research output: Research › Report – Annual report year: 2018

FOMO, LOL, BSc og MSc
Toftum, J. 2017 In: H V A C Magasinet. 53, 12, p. 6-6
Research output: Research › Editorial – Annual report year: 2017

IoT i bygninger
Toftum, J. 2017 In: H V A C Magasinet. 53, 7, p. 6-6
Research output: Research › Communication › Journal article – Annual report year: 2017

Kinetics of dermal uptake of nicotine from air
Research output: Research › peer-review › Conference abstract in proceedings – Annual report year: 2017

Linking a dermal permeation and an inhalation model to a simple pharmacokinetic model to study airborne exposure to di(n-butyl) phthalate
Research output: Research › peer-review › Journal article – Annual report year: 2017

Measurements of dermal uptake of nicotine directly from air and clothing
Research output: Research › peer-review › Journal article – Annual report year: 2017
Managed airing behaviour and the effect on pupil perceptions and indoor climate in classrooms
Research output: Research - peer-review › Article in proceedings – Annual report year: 2016

Measurements of dermal uptake of nicotine directly from air and clothing
Research output: Research - peer-review › Article in proceedings – Annual report year: 2016

Measurements of Dermal Uptake of Nicotine Directly from Air and Clothing
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016

Nearly-zero energy buildings
Research output: Research › Editorial – Annual report year: 2016

Organophosphate esters in dust samples collected from Danish homes and daycare centers
Research output: Research - peer-review › Journal article – Annual report year: 2016

Role of clothing in both accelerating and impeding dermal absorption of airborne SVOCs
Research output: Research - peer-review › Journal article – Annual report year: 2016

Ultrafine particle exposure in Danish residencies
Research output: Research - peer-review › Article in proceedings – Annual report year: 2016

A model to predict concentrations of DnBP metabolites in urine from a vapor-phase exposure
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2015

Association between classroom ventilation mode and learning outcome in Danish schools
Research output: Research - peer-review › Journal article – Annual report year: 2015

Comfort and performance impact of personal control over thermal environment in summer: Results from a laboratory study
Research output: Research - peer-review › Journal article – Annual report year: 2015

Contribution of various microenvironments to the daily personal exposure to ultrafine particles: Personal monitoring coupled with GPS tracking
Research output: Research - peer-review › Journal article – Annual report year: 2015
Effects of diffuser airflow minima on occupant comfort, air mixing, and building energy use (RP-1515)
Research output: Research - peer-review › Journal article – Annual report year: 2015

Er ventilation også velfærdsteknologi? 
Toftum, J. 2015 In : HVAC Magasinet. 51, 11, p. 6-6 1 p.
Research output: Communication › Journal article – Annual report year: 2015

Field measurements of perceived air quality and concentration of volatile organic compounds in four offices of the university building
Research output: Research - peer-review › Journal article – Annual report year: 2014

Field study of the indoor environment in a Danish prison
Research output: Research - peer-review › Journal article – Annual report year: 2014

Indeklimaet i danske skoler er fortsat udfordret
Toftum, J. & Clausen, G. 2015 In : HVAC Magasinet. 51, 2, p. 18-20
Research output: Communication › Journal article – Annual report year: 2015

Laminar airflow significantly reduced microbial air contamination during simulated total hip arthroplasty surgery in comparison to turbulent airflow
Research output: Research - peer-review › Article in proceedings – Annual report year: 2015

Operative temperature drifts and occupant satisfaction with thermal environment in three office buildings using radiant heating/cooling system
Research output: Research - peer-review › Article in proceedings – Annual report year: 2015

OPVent projektrapport – 2015: Resultater af OP Vent projektet
Research output: Research - peer-review › Report – Annual report year: 2015

Phthalate exposure through different pathways and allergic sensitization in preschool children with asthma, allergic rhinoconjunctivitis and atopic dermatitis
Research output: Research - peer-review › Journal article – Annual report year: 2015

Smart green and healthy buildings
Research output: Research - peer-review › Editorial – Annual report year: 2015

The effects of acoustical refurbishment of classrooms on teachers' perceived noise exposure and noise-related health symptoms
Research output: Research - peer-review › Journal article – Annual report year: 2015
Transdermale Aufnahme von Diethyl- und Di((n-butyl))phthalat über die Luft: Kammerexperimente an Freiwilligen mit Biomonitoring-Messungen unter Ein und Ausschluss der inhalativen Aufnahme
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2015

Transdermal uptake of diethyl phthalate and di((n-butyl)) phthalate directly from air: Experimental verification
Research output: Research - peer-review › Journal article – Annual report year: 2015

Ventilationens betydning for indlæring i skoler
Research output: Communication › Journal article – Annual report year: 2015

Ventilation på operationsstuer og kontamineringsrisiko
Rosenbeck, K., Nielsen, L. & Toftum, J. 2015 In : H V A C Magasinet. 51, 9, p. 30-35
Research output: Communication › Journal article – Annual report year: 2015

A model for estimating particle concentration indoors – based on information from occupants’ questionnaires, indoor sources emission factors, outdoor concentration and building characteristics
Research output: Research - peer-review › Article in proceedings – Annual report year: 2015

An intervention study of the acoustical environment’s effects on teachers’ well-being
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2015

Association between Noise levels and CO₂ Concentrations in Classrooms
Research output: Research - peer-review › Article in proceedings – Annual report year: 2015

Associations between selected allergens, phthalates, nicotine, polycyclic aromatic hydrocarbons, and bedroom ventilation and clinically confirmed asthma, rhinoconjunctivitis, and atopic dermatitis in preschool children
Research output: Research - peer-review › Journal article – Annual report year: 2014

Classroom ventilation type and pupil learning
Research output: Research - peer-review › Article in proceedings – Annual report year: 2015

De bløde gevinster ved energirenovering
Research output: Research › Editorial – Annual report year: 2015

Igen stor søgning til ingeniøruddannelserne
Research output: Research › Editorial – Annual report year: 2015

Indeklimaforskere fra hele verden samlet i Hong Kong
Toftum, J. 2014 In : H V A C Magasinet. 9, p. 18-20
Research output: Communication › Journal article – Annual report year: 2015
Indoor temperatures for optimum thermal comfort and human performance: Reply to the letter by Wyon and Wargocki


Research output: Research - peer-review › Journal article – Annual report year: 2014

Investigation of the Indoor Environment in a Passive House Apartment Building Heated by Ventilation Air


Research output: Research - peer-review › Article in proceedings – Annual report year: 2015

Noise and stress in open-plan offices


Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2015

Phthalate metabolites in urine and asthma, allergic rhinoconjunctivitis and atopic dermatitis in preschool children


Research output: Research - peer-review › Journal article – Annual report year: 2014

Socioeconomic and health impacts among the elderly of their dwelling environment


Research output: Research - peer-review › Article in proceedings – Annual report year: 2015

Ultrafine particles in 60 danish homes: measurements in the homes and personal monitoring


Research output: Research - peer-review › Article in proceedings – Annual report year: 2015

Children's Phthalate Intakes and Resultant Cumulative Exposures Estimated from Urine Compared with Estimates from Dust Ingestion, Inhalation and Dermal Absorption in Their Homes and Daycare Centers.


Research output: Research - peer-review › Journal article – Annual report year: 2013

Effect of Personal Control over Thermal Environment in a Laboratorium Setting


Research output: Research - peer-review › Paper – Annual report year: 2013

Effect van binnenklimaatbeïnvloeding
te Kulve, M., Boerstra, A. C., Toftum, J., Loomans, M. G. L. C. & Hensen, J. L. M. 2013 In : TVVL Magazine. 07/08, p. 8-12

Research output: Research › Journal article – Annual report year: 2014

Field Measurements of Perceived Air Quality in the Test-Bed for Innovative Climate Conditioning Technologies


Research output: Research - peer-review › Paper – Annual report year: 2013

Healthy Buildings 2012: Ventilation and Thermal Comfort


Research output: Research - peer-review › Journal article – Annual report year: 2014

Monitoring of indoor environment quality parameters and occupant perceptions in the Daikin nZEB Building in Herten, Germany

Toftum, J. 2013

Research output: Research - peer-review › Report – Annual report year: 2013
Hvordan er det nu med de der luftstrømnings?
Toftum, J. 2012 In : H V A C Magasinet. 6, p. 36-39
Research output: Communication › Journal article – Annual report year: 2012

Interzonal airflows in five Danish homes during two seasons
Research output: Research - peer-review › Paper – Annual report year: 2012

Øredutterne er den nye støjvæg
Research output: Research › Editorial – Annual report year: 2012

Simulation of indoor environment in low energy housing
Research output: Research - peer-review › Paper – Annual report year: 2012

The adjuvant effect of phthalate exposure on IgE sensitisation in early childhood
Research output: Research - peer-review › Conference abstract in journal – Annual report year: 2012

The impact of a photocatalytic paint on indoor air pollutants: Sensory assessments
Kolarik, J. & Toftum, J. 2012 In : Building and Environment. 57, p. 396-402
Research output: Research - peer-review › Journal article – Annual report year: 2012

Thermal and Air Quality Acceptability in Buildings that Reduce Energy by Reducing Minimum Airflow from Overhead Diffusers
Research output: Research - peer-review › Report – Annual report year: 2013

Associations between parental reports of doctor-diagnosed asthma and allergy among Danish children and their family habits and dwelling characteristics
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

Comparison Of Air Change Rates Obtained By Different Ventilation Measurement Techniques In Five Danish Homes.
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

Differences Between Passive And Active Cooling Systems In Gender, Physiological Responses, Thermal Sensation And Productivity
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

Effects on perceived air quality of a photocatalytic cement-based paint tested under steady-state and transient conditions
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

Field measurements of seasonal changes in ventilation rate and spatial distribution of gaseous pollutants in five Danish homes
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011
Implementation of multivariate linear mixed-effects models in the analysis of indoor climate performance experiments
Research output: Research - peer-review › Journal article – Annual report year: 2011

Indeklima i skoler – Status og konsekvenser
Research output: Research - peer-review › Report – Annual report year: 2011

Indoor Environment Exposure and Absenteeism in 151 Danish Day-Care Facilities
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

Internationale visioner
Toftum, J. 2011 In : H V A C Magasinet. 13, p. 6-6
Research output: Communication › Journal article – Annual report year: 2011

Lavenergi med omtanke
Toftum, J. 2011 In : H V A C Magasinet. 7, p. 6-6
Research output: Communication › Journal article – Annual report year: 2011

Modeling of ventilation rates in bedrooms based on building characteristics and occupant behavior
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

Modelling ventilation rates in bedrooms based on building characteristics and occupant behavior
Research output: Research - peer-review › Journal article – Annual report year: 2011

Modelling occupants' heating set-point preferences
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

Modelling window opening behaviour in Danish dwellings
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

Nicotine in dust samples collected from children's bedrooms and daycare centers in Denmark
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

Reflections on the State of Research: Indoor Environmental Quality
Clausen, G., Bekø, G., Corsi, R., Gunnarsen, L., Nazaroff, W., Olesen, B. W., Sigsgaard, T., Sundell, J., Toftum, J. & Weschler, C. J. 2011 In : Indoor Air. 21, 3, p. 219-230
Research output: Research - peer-review › Journal article – Annual report year: 2011

Simulation of energy use, human thermal comfort and office work performance in buildings with moderately drifting operative temperatures
Research output: Research - peer-review › Journal article – Annual report year: 2011
Simulering af indeklima og energiforbrug i lavenergibyggeri
Toftum, J. 2011 In : H V A C Magasinet. 9, p. 34-36
Research output: Communication › Journal article – Annual report year: 2011

Squalene and cholesterol in dust from Danish homes and daycare centers
Research output: Research - peer-review › Journal article – Annual report year: 2011

Squalene and cholesterol in dust samples collected from children's bedrooms and daycare centers in Denmark
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

Stor dansk delegation til Indoor Air 2011
Toftum, J. 2011 In : H V A C Magasinet. 9, p. 24-26
Research output: Communication › Journal article – Annual report year: 2011

Air pollution from residential wood combustion in a Danish village: Indoor-outdoor measurements
Toftum, J. 2010
Research output: Research › Report – Annual report year: 2010

Central automatic control or distributed occupant control for better indoor environment quality in the future
Toftum, J. 2010 In : Building and Environment. 45, 1, p. 23-28
Research output: Research - peer-review › Journal article – Annual report year: 2010

Characterization and optimized control by means of multi-parameter controllers
Research output: Research › Report – Annual report year: 2010

Classroom ventilation must be improved for better health and learning
Research output: Research › Journal article – Annual report year: 2010

Differences between young adults and elderly in thermal comfort, productivity and thermal physiology in response to a moderate temperature drift
Research output: Research - peer-review › Journal article – Annual report year: 2010

Indeklima i danske boliger og børneinstitutioner
Toftum, J., Bekö, G. & Clausen, G. 2010 In : H V A C Magasinet. 46, 6, p. 32-34
Research output: Communication › Journal article – Annual report year: 2010

Indeklima i danske boliger og daginstitutioner
Toftum, J., Bekö, G. & Clausen, G. 2010 In : H V A C Magasinet. 6, p. 32-34
Research output: Communication › Journal article – Annual report year: 2010

Indeklima og børns sundhed
Clausen, G., Bekö, G. & Toftum, J. 2010 In : H V A C Magasinet. 46, 6, p. 28-30
Research output: Communication › Journal article – Annual report year: 2010

Influence on Occupant Responses of Behavioral Modification of Clothing Insulation in Nonsteady Thermal Environments (RP-1269)
Toftum, J., Kolarik, J., Belkowska, D. & Olesen, B. W. 2010 In : H V A C & R Research. 16, 1, p. 59-74
Research output: Research - peer-review › Journal article – Annual report year: 2010
Komfort, symptomer og præstation med varierende temperaturer
Toftum, J., Kolarik, J. & Olesen, B. W. 2010 In : H V A C Magasinet. 6, p. 36-37
Research output: Communication › Journal article – Annual report year: 2010

Ny REHVA anvisning om skolers indeklima og energieffektivitet
Toftum, J. 2010 In : H V A C Magasinet. 10, p. 10-11
Research output: Communication › Journal article – Annual report year: 2010

Phthalate and PAH concentrations in dust collected from Danish homes and daycare centers
Research output: Research - peer-review › Journal article – Annual report year: 2010

Ventilation rates in the bedrooms of 500 Danish children
Research output: Research - peer-review › Journal article – Annual report year: 2010

Occupant Behaviour with regard to Control of the Indoor Environment
Andersen, R. V., Olesen, B. W. & Toftum, J. Sep 2009 Kgs. Lyngby, Denmark: Technical University of Denmark (DTU).
104 p.
Research output: Research › Ph.D. thesis – Annual report year: 2009

A Bayesian Network approach to the evaluation of building design and its consequences for employee performance and operational costs
Research output: Research - peer-review › Journal article – Annual report year: 2009

A case-base study of residential IEQ related risk factors and parental reports of asthma and allergy among 500 Danish children – IECH
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

A questionnaire survey on dwelling characteristics and the prevalence of asthma and allergy among Danish children – IECH
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

Carbon dioxide concentrations and ventilation rates in 500 Danish homes: Indoor Environment and Children's Health (IECH) study
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

Glem aldrig brugeren
Toftum, J. 2009 In : H V A C Magasinet. 7, p. 6
Research output: Communication › Journal article – Annual report year: 2009

Healthy Buildings 2009
Toftum, J. 2009 In : H V A C Magasinet. 12, p. 8
Research output: Communication › Journal article – Annual report year: 2009

Indoor Environment and Children’s Health (IECH) – An ongoing epidemiological investigation on the association between indoor environmental factors in homes and kindergartens and children’s health and wellbeing
Indoor environment and children's health in 151 Danish kindergartens
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

Influence on occupant responses of behavioral modification of clothing insulation in non-steady thermal environments
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

Long term monitoring of window opening behaviour in Danish dwellings
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

Occupant performance and building energy consumption with different philosophies of determining acceptable thermal conditions
Research output: Research - peer-review › Journal article – Annual report year: 2009

Occupant Responses and Office Work Performance in Environments with Moderately Drifting Operative Temperatures (RP-1269)
Research output: Research - peer-review › Journal article – Annual report year: 2009

Simulated performance of the Thermo Active Building System (TABS) with respect to the provided thermal comfort and primary energy use
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

Simulation of the effects of window opening and heating set-point behaviour on indoor climate and building energy performance
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

Skolerne igen, igen
Toftum, J. 2009 In : HVAC Magasinet. 12, p. 6
Research output: Communication › Journal article – Annual report year: 2009

Survey of occupant behaviour and control of indoor environment in Danish dwellings
Andersen, R. V., Toftum, J., Andersen, K. K. & Olesen, B. W. 2009 In : Energy and Buildings. 41, 1, p. 11-16
Research output: Research - peer-review › Journal article – Annual report year: 2009

Thermal comfort, physiological responses and performance of elderly during exposure to a moderate temperature drift
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

Central automatic control or distributed occupant control for better indoor environment quality in the future
Research output: Research - peer-review › Article in proceedings – Annual report year: 2008
Indeklima i danske skoler
Research output: Communication › Journal article – Annual report year: 2008

Indeklima i klare tal
Toftum, J. 2008 In : H V A C Magasinet. 44, 8, p. 52-52
Research output: Communication › Journal article – Annual report year: 2008

Indoor Air 2008
Toftum, J. 2008 In : H V A C Magasinet. 44, 7, p. 6
Research output: Communication › Journal article – Annual report year: 2008

Komfort og energiforbrug
Research output: Communication › Journal article – Annual report year: 2008

Occupant behaviour and control of indoor environment surveyed in Danish dwellings
Andersen, R. V., Toftum, J., Andersen, K. K. & Olesen, B. W. 2008 Indoor Air 2008: The 11th International Conference on Indoor Air Quality and Climate. Vol. 11, p. 827
Research output: Research › Article in proceedings – Annual report year: 2008

Occupant responses and energy use in buildings with moderately drifting temperatures
Research output: Research - peer-review › Report – Annual report year: 2008

Proceedings of Indoor Air 2008, the 11th International Conference on Indoor Air Quality and Climate
Research output: Research - peer-review › Book – Annual report year: 2008

Secondary organic aerosols from ozone-initiated reactions with emissions from wood-based materials and a “green” paint
Research output: Research › peer-review › Journal article – Annual report year: 2008

Thermal comfort, physiological responses and performance during exposure to a moderate temperature drift
Research output: Research - peer-review › Article in proceedings – Annual report year: 2008

Total building economic consequences of the effect of temperature on mental performance of office workers
Research output: Research - peer-review › Article in proceedings – Annual report year: 2008
Trends i indeklimaforskningen
Toftum, J. 2008 In : HVAC Magasinet. 44, 10(supplement), p. 16-17
Research output: Communication › Journal article – Annual report year: 2008

Human Thermal Comfort in Environments with Moderately Drifting Operative Temperatures - State of the Art and Current Research
Olesen, B. W., Toftum, J. & Kolarik, J. 2007 Clima 2007 WellBeing Indoors Proceedings CD ROM. Helsinki, Finland
Research output: Research - peer-review › Article in proceedings – Annual report year: 2007

Indoor air quality and occupant satisfaction in five mechanically and four naturally ventilated open-plan office buildings
Research output: Research - peer-review › Journal article – Annual report year: 2007

Occupant behaviour and control of indoor environment in Danish dwellings
Research output: Research › Article in proceedings – Annual report year: 2007

Simulation of the Effects of Occupant Behaviour on Indoor Climate and Energy Consumption
Research output: Research › Article in proceedings – Annual report year: 2007

Survey of Occupant behaviour and control of the indoor environment in Danish Dwellings
Research output: Research › Article in proceedings – Annual report year: 2007

Thermal Comfort, Perceived Air Quality and Intensity of SBS symptoms during Exposure to Moderate Operative Temperature Ramps
Research output: Research - peer-review › Article in proceedings – Annual report year: 2007

Ozone initiated reactions and human comfort in indoor environments
Research output: Research › Ph.D. thesis – Annual report year: 2006

Den attraktive erhvervsPh.D-ordning
Lars, C. & Toftum, J. 2006 In : HVAC Magasinet. 9, p. 6
Research output: Communication › Journal article – Annual report year: 2006

Human thermal comfort and office work performance in an environment with moderately increasing operative temperature
Research output: Research › peer-review › Article in proceedings – Annual report year: 2006

Indeklima i spillesteder - et forsømt barn
Hillbrecht, T. & Toftum, J. 2006 In : HVAC Magasinet. 8, p. 52-56
Research output: Communication › Journal article – Annual report year: 2006

Indeklimaproblemer kan afhjælpes
Toftum, J. 2006 In : HVAC Magasinet. 4, p. 6
Research output: Communication › Journal article – Annual report year: 2006
Influence of ozone-limonene reactions on perceived air quality,
Research output: Research - peer-review › Journal article – Annual report year: 2006

Thermal sensation and thermophysiological responses with metabolic step-changes
Research output: Research - peer-review › Journal article – Annual report year: 2006

Human thermal comfort in environments with moderately drifting operative temperatures – state of the art and current research
Research output: Research › Article in proceedings – Annual report year: 2005

Indoor air quality and occupant satisfaction in five mechanically and four naturally ventilated open-plan office buildings
Research output: Research › Article in proceedings – Annual report year: 2005

Influence of ozone-limonene reactions on perceived air quality
Research output: Research › Article in proceedings – Annual report year: 2005

Intervention studies with remote measurement of occupant comfort, health and performance
Research output: Research › Article in proceedings – Annual report year: 2005

Remote Performance Measurement (RPM) – A new, internet-based method for the measurement of occupant performance in office buildings
Research output: Research › Article in proceedings – Annual report year: 2005

Air movement - good or bad?
Toftum, J. 2004 In : Indoor Air. 14, supplement 7, p. 40-45
Research output: Research - peer-review › Journal article – Annual report year: 2004

Human projected area factors for detailed direct and diffuse solar radiation analysis
Research output: Research - peer-review › Journal article – Annual report year: 2004

New indoor environment chambers and field experiment offices for research on human comfort, health and productivity
Toftum, J., Langkilde, G. & Fanger, P. O. 2004 In : Energy and Buildings. 36, 9, p. 899-903
Research output: Research › Article in proceedings – Annual report year: 2004

Thermal comfort indices
Research output: Research - peer-review › Book chapter – Annual report year: 2004

Transient thermal sensation and comfort resulting from adjustment of clothing insulation
Goto, T., Toftum, J., Fanger, P. O. & Yoshino, H. 2004
Research output: Research - peer-review › Book – Annual report year: 2004
Fra forskning til erhvervsliv (From research to business)
Toftum, J. 2003 In : DANVAK Magasinet. p. 38
Research output: Communication › Journal article – 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

Initial studies of oxidation processes on filter surfaces and their impact on perceived air quality
Research output: Research - peer-review › Article in proceedings – Annual report year: 2003

Sensory pollution load from a used ventilation filter at different airflow rates
Research output: Research - peer-review › Article in proceedings – Annual report year: 2003

Simulering af menneskers termiske komfort og fysiologi (Simulation of human thermal comfort and physiology)
Toftum, J. 2003 In : DANVAK Magasinet. p. 16-18
Research output: Communication › Journal article – Annual report year: 2003

Transient thermal sensation and comfort resulting from adjustment of clothing insulation
Research output: Research - peer-review › Article in proceedings – Annual report year: 2004

Ultrafine and fine particle formation in a naturally ventilated office as a result of reactions between ozone and scented products
Research output: Research - peer-review › Article in proceedings – Annual report year: 2003

Extension of the PMV model to non-air-conditioned building in warm climates
Research output: Research - peer-review › Journal article – Annual report year: 2002

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

Human response to combined indoor environment exposures
Toftum, J. 2002 In : Energy and Buildings. 34, 6, p. 601-606
Research output: Research - peer-review › Conference article – Annual report year: 2002

Perceived air quality, thermal comfort, and SBS symptoms at low air temperature and increased radiant temperature
Research output: Research - peer-review › Article in proceedings – Annual report year: 2002

Prediction of thermal sensation in non-air-conditioned buildings in warm climates
Research output: Research - peer-review › Article in proceedings – Annual report year: 2002
Thermal sensation and comfort with transient metabolic rates
Research output: Research - peer-review › Article in proceedings – Annual report year: 2002

Human response to combined indoor environment exposures
Research output: Research - peer-review › Article in proceedings – Annual report year: 2001

Thermal comfort in the future - excellence and expectation
Research output: Research - peer-review › Article in proceedings – Annual report year: 2001

Discomfort due to skin humidity with different fabric textures and materials
Research output: Research - peer-review › Journal article – Annual report year: 2000

Air humidity requirements for human comfort
Research output: Research - peer-review › Conference article – Annual report year: 1999

Effect of fabric texture and material on perceived discomfort at high humidity
Research output: Research - peer-review › Article in proceedings – Annual report year: 1999

Effekt af tekstilmateriale og -struktur på menneskers komfort ved høj fugtighed: (Effect of fabric texture and material on perceived discomfort at high humidity)
Toftum, J., Rasmussen, L. W., Mackeprang, J. & Fanger, P. O. 1999
Research output: Research - peer-review › Report – Annual report year: 1999

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

The impact of human perception of simultaneous exposure to thermal load, low-frequency ventilation noise and indoor air pollution
Research output: Research - peer-review › Article in proceedings – Annual report year: 1999

Nye øvre grænser for luftfugtighed
Research output: Research › Journal article – Annual report year: 1998

Upper limits for air humidity based on human comfort
Research output: Research - peer-review › Article in proceedings – Annual report year: 1998

Upper limits for air humidity to prevent warm respiratory discomfort
Research output: Research - peer-review › Journal article – Annual report year: 1998
Upper limits for indoor air humidity to avoid uncomfortably humid skin
Research output: Research - peer-review › Journal article – Annual report year: 1998

Airflow direction and discomfort due to draught
Research output: Research - peer-review › Book chapter – Annual report year: 1997

Draught sensitivity is influenced by general thermal sensations
Research output: Research - peer-review › Journal article – Annual report year: 1996

Effekt af luftstrømningens retning på menneskers opfattelse af træk
Research output: Research - peer-review › Report – Annual report year: 1996

Impact of activity level and thermal sensation on human response to air movements
Research output: Research - peer-review › Article in proceedings – Annual report year: 1996

Impact of metabolic rate on human response to air movements during work in cool environments
Research output: Research - peer-review › Journal article – Annual report year: 1996

Projects:

Udvikling af model til beregning af de økonomiske konsekvenser af indeklimaforbedringer
ErhvervsPhD-ordningen VTU
01/09/2005 → 22/04/2009
Project: PhD

Trækgener i det industrielle arbejdsmiljø
toftum, j. & langkilde, g.
DTU-stipendium
01/08/1992 → 16/01/1994
Project: PhD

Impact of human convective boundary layer on inhaled air quality and its protective role under different ventilation strategies
Licina, D., Melikov, A. K., Sekhar, C., Tham, K. W., Toftum, J., Novoselac, A. & Poh, H. J.
Joint degree
01/09/2013 → 30/09/2015
Project: PhD

Mechanical Ventilation Solutions for Optimisation of Energy Efficiency an Indoor Environments in Danish Homes
Industrial PhD
01/09/2013 → 28/04/2018
Project: PhD

Model for Multidimensional Heat, Air and Moisture Conditions in Building Envelope Components
Forskningsrådsfinansiering
01/08/2006 → 06/01/2010
Project: PhD

**Personalized ventilation**
Kaczmarczyk, J., Melikov, A. K., Fanger, P. O., Holmér, I. & Toftum, J.
DTU-lønnet stipendie
01/08/2000 → 21/10/2003
Project: PhD

**Sensation of "Dryness" humidity of air, comfort and health**
DTU-lønnet stipendie
01/07/2002 → 02/02/2006
Project: PhD

**Indoor Particles**
Tamás, G., Fanger, P. O., Toftum, J., Weschler, C. J., D'Angelo, G. & Olesen, B. W.
DTU-lønnet stipendie
01/01/2003 → 30/06/2006
Project: PhD

**Building certification schemes and the quality of indoor environment**
Da Silva, N. A. F., Wargocki, P., Tham, K. W., Toftum, J., Cheong Kok Wai, D. & Newsham, G.
Institut stipendie (DTU) Samf.
01/01/2012 → 30/11/2015
Project: PhD

**People's Behaviour Regarding Control of the Indoor Environment**
Andersen, R. K., Olesen, B. W., Toftum, J., Nicol, J. F., Brohus, H. & Wargocki, P.
DTU, Samfinansiering
01/08/2005 → 02/09/2009
Project: PhD

**Human comfort and self-estimated performance in relation to indoor environmental parameters and building features**
Institut stipendie (DTU) Samf.
01/09/2008 → 25/01/2012
Project: PhD

**Warm or Cold, Lights influence on thermal comfort**
Logadóttir, Á., Markvart, J., Thorseth, A., Dam-Hansen, C. & Toftum, J.
ELFORSK
01/03/2016 → 31/12/2018
Project: Research

**Human response to air movements - preference and draft discomfort**
Toftum, J., Fanger, P. O. & Melikov, A. K.
01/04/1998 → 31/03/1999
Project: Research

**Effect of fabric texture and material on perceived discomfort at high humidity**
Toftum, J. & Rasmussen, L. W.
01/04/1998 → 31/03/1999
Project: Research

**Impact of airflow direction on human sensation of draught**
Toftum, J.
Effect of air humidity on human comfort
Toftum, J.
01/10/1995 → 31/12/1996
Project: Research