



This is not the final program

at Reykjavik University, Menntavegur 1, Reykjavik, Iceland

Monday 9th June, 2025

DRAFT

V-101	Monday 9th June, 2025	IAQ	H-101	Monday 9th June, 2025	Thermal Comfort	V-102	Monday 9th June, 2025	Lighting and Noise	H-201	Monday 9th June, 2025	IAQ	V-201	Monday 9th June, 2025	IAQ
8:30	Session Chair Introduction	Presenter	8:30	Session Chair Introduction	Presenter	8:30	Session Chair Introduction	Presenter	8:30	Session Chair Introduction	Presenter	8:30	Session Chair Introduction	Presenter
8:40	Ventilation and air cleaning in the context of infection risk - results from two large Dutch research projects	Marcel G.L.C. Loomans	8:40	Frequency of moisture problems/damages in housing in Iceland and health issues	Björn Marteinsson	8:40	Wildland Urban Interface Smoke: Household Response Guideline Evaluation	Maud van den Boemen	8:40	Wildland Urban Interface Smoke: Household Response Guideline Evaluation	Dustin Poppendieck	8:40	Comparison of agar plate culture and molecular biology quantification of airborne microorganisms collected on air handling units filters	Delphine Deshayes
8:50	Partitioning of semi-volatile organic compounds between air and textiles	Tunga Saltthammer	8:50	Beyond linear regression: improving thermal comfort data analysis through visualisation	Matteo Favero	8:50	The PHARADON project: new bases for a cross-disciplinary standard to assess indoor air mitigation	Mandana Samy Khajeh	8:50	The PHARADON project: new bases for a cross-disciplinary standard to assess indoor air mitigation	Frederic Theronet	8:50	Influence of heat sources on personal protection performance of biological safety cabinets	Ryota Muta
9:00	Should I open a window? Analysis of air change rates during cooking in real homes in Bradford, UK	David Shaw	9:00	Enhancing healthy indoor thermal environment of low-income households in a hot humid climate through passive cooling interventions - A Case of Abuja, Nigeria	Timothy Adekunle	9:00	Indoor air quality in university libraries at Lublin University of Technology - a case study	Philomena Bruysen	9:00	Indoor air quality in university libraries at Lublin University of Technology - a case study	Martemza Dudzinska	9:00	Relating Respiratory Aerosol Emission Rates, the Exhaled Carbon Dioxide Flux and the Airborne Survival of Pathogens to Assess Transmission Risk in Indoor Environments	Jonathan Reid
9:10	Low cost MDK sensor to detect indoor ppb-level VOC: a promise with Schottky barrier modulation	Jurij He	9:10	Increasing the thermal comfort in passenger rail: application of personalized environmental control systems	Daniel Schmeling	9:10	Innovative Visual Strategies for Indoor Environmental Quality Analysis	Hank Brink	9:10	Innovative Visual Strategies for Indoor Environmental Quality Analysis	Jorge Fernandes	9:10	Development of a breath-taking hood for airborne diseases	Chih-Chieh Chen
9:20	Initial VOC Emissions from Consumer Products Determined in Micro-Scale Test Chambers: Results of a Round Robin Test	Birte Poellke	9:20	Thermal comfort in a cruise ship passenger cabin	Henna Maula	9:20	Forth Environmental Resilience Array (Forth-ERA) co-developing an indoor and outdoor air quality monitoring network in Scotland	Nina Sharp	9:20	Forth Environmental Resilience Array (Forth-ERA) co-developing an indoor and outdoor air quality monitoring network in Scotland	Heather Price	9:20	Home	Yik Chit Teoh
9:40	Factors that govern indoor VOC uptake by particles - experimental study using aerosol mass spectrometry	Aneta Wierzbicka	9:40	Enhancing Thermal Comfort in Shared Building Spaces: Analysis of Subzone Division	Jinghui Wang	9:40	Operational PM2.5 capture efficiency of filters in balanced ventilation systems, a field study	Amnah Hamida	9:40	Operational PM2.5 capture efficiency of filters in balanced ventilation systems, a field study	Piet Jacobs	9:40	Exploring the emission from reused carpet tiles and the impact on indoor air quality	Rikke Brønning-Jørgensen
9:50	Quantifying Particle Emissions from Electric Toothbrush Use: Insights from Real-Life Bedding Experiments	Yiqun Li	9:50	Objective and Subjective Assessment of Indoor Environmental Quality in German Nursing Homes Using the HTxCubes: A Multisite Field Study	Mahmoud El Mokadem	9:50	Green Views, Sharp Minds: The Power of Nature in Enhancing CSUN Students' Cognitive Performance	Hassam Ghannam	9:50	Green Views, Sharp Minds: The Power of Nature in Enhancing CSUN Students' Cognitive Performance		9:50	Health Risk Assessment from Indoor PM2.5-bound Metals Exposure: Evaluating Carcinogenic and Non-carcinogenic Risks for Newborns and Their Mothers	Joao Paulo Teixeira
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10:20	Bedroom ventilation and air quality during sleep: Insights from a pilot field study in Singapore	Xiaojuan Fan	10:20	What is the impact of indoor laundry drying on thermal comfort?	Frederic Theronet	10:20	An Interpretable Machine Learning Approach to Analyzing Soundscape Quality	Mingqi Lin	10:20	Performance-Based Approach Simulation To Compare IAQ and Energy Performance of Ventilation Systems Inside Individual Houses	Ali nouri eddine	10:20	Persistence of Smoke Chemicals from Residential Building Structural Materials in a Test Room	Dustin Poppendieck
10:30	Partitioning of reactive oxygen species from oxidized indoor surface films	Glenn Morrison	10:30	Investigating the Indoor Environmental Performance of Various Floor Levels in High-rise Timber Buildings	Timothy Adekunle	10:30	Open Spaces: A Multisensory Perspective	Dongwoo (Jason) Yeom	10:30	Enhancing Indoor Air Quality: Updated Collection of Dwelling Models for Improved Health and Energy Efficiency in the U.S. Housing Sector	Nathan Lima	10:30	Carbon monoxide: a useful parameter for assessing indoor air quality?	Tunga Saltthammer
10:40	Comparison of Infection Risk in a Large and Small Classroom	James Bennett, Ph.D	10:40	Environmental Comfort in an Antarctic Station: Initial versus Final Phases	Huize Mao	10:40	Exploring the link between window view characteristics and occupant's satisfaction: results from a survey in home offices.	Natalia Grimaldo Vasquez	10:40	Negative Air Ions Dynamics in Green Walls: Assessing Plant and Environmental Contributions	Luben Iyvu	10:40	Predicting Dermal Exposure to Semivolatile Organic Compounds in Consumer Products	Zidong Song
10:50	Collocation Testing of Consumer Grade Electronic Radon Sensors in Canadian Homes	Tianyuan Li	10:50	Comparison of PMV model and thermophysiological comfort model NODDEL with subjective data at dynamic boundary conditions	Nicole Kocarek	10:50	Augmentation of Comfort Post Occupancy Evaluation Data for Enhancing Machine Learning Performance	Mohammad Salehi	10:50	Development of a new adsorbent based on divinylbenzene for the measurements of airborne SVOCs with the SE-GC/MS method	Myungk Noguichi	10:50	Under Direct Contact Scenarios	Vitor Lator
11:00	Quantifying Person-to-Person Exhaled Air Exchange in Indoor Environments using Low-Cost CO2 and Particle Sensor in a Climate Chamber Study	Dennis Detsch	11:00	Extension and recalibration of the thermophysiological comfort model NODDEL regarding the individual asymmetries gender, age and BMI	Kai Reuertz	11:00	Energy Efficiency Through a Thermally Adaptive Light Shelf System	Ahnan Barri	11:00	CFD study on Optimizing Personalized Exhaust Systems for Airborne Particle Removal in Hospital Rooms	Shayrad Marashan	11:00	Influence of indoor temperature and humidity on quanta emission rates during speaking and coughing	Bastian Bossmann
11:10	Research on high-efficiency purification technology of three-effect nanofibers	Jing Xu	11:10	Multi-directional Simulated Natural Wind (MSNW): a novel approach to creating indoor dynamic wind environment for biophilic design	Zhouye Xie	11:10	Illuminating Minds: Investigating the Influence of Spatial Lighting Patterns and Color Temperature on Cognitive Performance in Older Adults Using Immersive Virtual Environments	Nasrin Golshari	11:10	Investigation of Infection Risk Among Elevator Passengers with Varying Heights and Positions	Sumei Liu	11:10	Indoor air filtration impact on the microbiome - Vision of a healthy indoor future	
11:20	Understanding the Relationship Between Indoor Enthalpy and Energy Use in Hospital Operating Rooms: A Year-Long Study	Yubin Zhang	11:20	A Skin Temperature-Based Conceptual Framework for Heat Load Estimation in Migrant Thermal Comfort	Yu Dong	11:20	Improving Indoor Air Quality and Awareness of Window Operation Strategies in Primary School Classrooms Using Vibration-Based Signaling Systems	Padro de la Barra	11:20	PM1 in an Urban Primary School: Concentrations, Meteorological Influences, and Filtration During Spring Semester	Cajin Sahin	11:20	A Method for Accelerating Experimental Measurements of Airborne Bacteria	Kangqi Guo
11:30	The impact of air recirculation on chemical, physical, and biological exposure in industrial settings: a literature review for the Recirculate IT project	Therese Nittr Moazani	11:30	Development of Human Physiological Model for predicting occupant's local skin temperature in contact with a heated and ventilated seat	Hyungsun Lim	11:30	Health potential in a residential space	Siobhan Rockcastle	11:30			11:30	Indoor radon concentrations in European school buildings	Heidi Salonen
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13:10	Refining Particulate Matter Classification: Addressing Health Risks of Smaller Fractions	Lisa Cornelli	13:10	Thermal Comfort Beyond Expectations: Insights from Home and Office Environments in Two Climatic Regions	Kurumi Mihara	13:10	The Impact of global warming on high-performance buildings in two European capitals: Analysing an optimistic scenario	Luka Pajek	13:10	Predicting Indoor Concentration in the Use of temporary Isolation Room in Healthcare Facilities	Shinyee Lee	13:10	Experimental characterization of SVOC sorption on several indoor surfaces	Benoit Schmitt
13:20	Indoor Air Quality Assessment using different ventilation strategies under typical pollutants emission scenarios in French Dwellings	Jeremy Depoorter	13:20	Experimental Study on a Ceiling Method for a Temporary Negative Pressure Isolation (TNPI) Room using the Portable HEPA Filter Units (PHFUs) in a Full-scale Simulated Chamber	Se Jin Lee	13:20	Performance of An Adaptive Cooling Coil for Load Diversity and Resilience in Typical Environments	Kwak Woo Thiam	13:20	Calibration of Optical Particle Counter Network for Air Quality Assessment in Passenger Trains	Darpan Das	13:20	The impact of Occupant Behavior and Spatial Factors on Indoor Air Quality in Small Residential Units in Bangkok: A Post-Occupancy Study	Thanayorn Khumpang
13:30	Evaluation of performance changes associated with medium-efficiency filters after long-term use	Nazhide Shinozawa	13:30	The influence of thermal disposition on the thermal sensation of university students in mixed-mode classrooms located in a subtropical climate during the summer	Ricardo Fongarini Rupp	13:30	Effects of passive solutions to reducing overheating in senior housing in the Netherlands	Froukje van Dijken	13:30	Experimental Comparison of VOC Emissions Between New and Reused Construction Materials, Tested Individually and in Combination	Fatimata Syll	13:30	Delivering Radon Testing to Smokers via Telephone Quizzes	Gary Schwartz
13:40	An Analysis of the Impact of Geology on Indoor Air Radon Concentration	Uttam Saha	13:40	The effect of low and high ventilation in combination with high and low temperature on physiological function and cognitive performance.	Cynthia Iy	13:40	Insights from a comparison of domestic energy asset rating systems in Europe	James Pittam	13:40	Understanding Potential Radon Variability in Irish MHRV Homes; Case Control Analysis	Mohsen Pourkazaei	13:40	Determination of uptake rates of VOCs in the indoor air on passive sampling systems	Luzia Klein
13:50	Assessment of the Energy-Health comfort performance of buildings before and after deep energy retrofit by a simplified and low cost method (IGCE method)	Maria José Ruales López	13:50	Neurothermal Performance of CUT External Walls: Enhanced with Wood-Fibre Based ETICS: Preliminary Field Measurement insights	Villyu Kuk	13:50	Top-Down Analysis Framework for Common Characteristics of Building Energy Based on Soft Clustering and Interpretable Machine Learning	Yuren Yang	13:50	Reducing the Transmission Risk of Influenza by Maximizing Airborne Viral Decay	Allen Haddrell	13:50	Oral bioavailability of semivolatile organic compounds following dust ingestion: model review, input data inventory, and identification of key parameters	Aya Mansouri
14:00	On Associations between Volatile Organic Compounds and Dry Air Sensation in Indoor Environments	Yan Deng	14:00	Point Impacts on Mould Risk for Gypsum Interior Sheathing: Laboratory Testing in a Controlled Climate Chamber	Helen Stopps	14:00	Flexibility regulation strategy for campuses of higher education Institutions: A Land Surface Temperature and Outdoor Air Quality Impacts of Urbanization: A Use Case in Lima, Peru	Zhenying Zhang	14:00	Ventilation Environment (ENVIS) Laboratory	Oliver Wild	14:00	Searching for the optimal CADR filter thickness of indoor air purifiers	Chih-Chieh Chen
14:10	AI-Driven Behavioral Monitoring for Rapid Risk Assessment of Respiratory Infections: Development and Validation of a Predictive Model	Hua Qian	14:10	Transient thermal environment and airflow analysis in non-uniform thermal environment for air-carrying energy system	Weinan Li	14:10	Building adaptation to climate change: performance-based assessment of indoor air resistance (PIAR)	Ravi Kumar Pandey	14:10	Tackling the indoor exposure to H2S emissions from Sargassum seaweed stranding by an operational assessment of dwelling ventilation strategy	Marie Verrelle	14:10	Removal of CO2 in indoor air with alkaline solution and recovery of CO2 with electroanalysis	Akihito Yamasaki
14:20	Impact of climate change on semi-volatile organic compounds concentrations in the Paris Area's dwellings	Aya Mansouri	14:20	The benefits of Personalized Environmental Control Systems (PECS) as part of the mixed-mode building operations in India	Camilla Massucci	14:20	A Review of Existing Building Guidelines: How Well They Address Health and Resilience in the Built Environment	Mima Mozyevidy	14:20	Developing a Box-to-Box manikin setup to mimic short conversations and understand airborne transmission in indoor settings	Arghyanir Giri	14:20		
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15:00	Multi-Component Transport Characteristics under Oxygen Supply and Carbon Removal Strategies in Oxygen-Enriched Buildings	Heng Zhou	15:00	Human Volatile organic compounds emission characteristics at different metabolic levels	Meihuan Qu	15:00	Enhancing Energy Resilience in Healthcare Infrastructure : A Study to Evaluate Critical energy demand	Manoj Kumar V	15:00	Exploring how Far-UVC Air-Cleaning Devices affect Indoor Air Chemistry	Toby J. Carter	15:00	Lessons learnt from real-time monitoring and analysis of the IAQ in CUT lecture rooms	Michalis Michaelides
15:10	Impact of different ventilation routes and ventilation rate on air pollutants dilution performance in residential kitchens in Taiwan	M.C. Jeffrey Lee	15:10	Thermal and visual perception of autistic people: a living lab study on environmental adaptation	Laura Zamboni	15:10	Retrospect: A Case Study of Low-income Chinese Elder Adults in the U.S.	Andrea Green	15:10	Developing a User-Tracking Robot with a Nanobot Air Cleaner for Personal Environmental Control	Chenghong Deng	15:10	Locating Air Contaminant Source using a Sensing Robot with Pre-calculated Distribution Database	Can Xiao
15:20	Investigation of Infection Risk Among Elevator Passengers with Varying Heights and Positions	Sumei Liu	15:20	Real-Time Tuning Path Recommendation System Based on Outdoor Thermal Comfort for Pedestrians	Wei Liu	15:20	Overheating of buildings in future climate: A comparison of two climate zones in Sweden	Mark Murphy	15:20	Interaction between Inhaled Particles and Metal Organic Framework Nanofiber Filters	Houhua Wu	15:20	Enhancing Indoor Air Quality Sensor Accuracy: An Optimized Smoothing Algorithm for Reliable HVAC Control	Maxence Mendez
15:30	Microclimatic Distribution in Indoor Dust: A Case Study of an Engineering College in Rajkot, India	Nisarg Mehta	15:30	Transient thermophysiological simulation and airflow analysis in non-uniform thermal environment for air-carrying energy system	Yuting Huang	15:30	Building adaptation to climate change: performance-based assessment of indoor air resistance (PIAR)	Wenjuan Wei	15:30	Evaluation of efficiency removal of PMs and bioaerosols by prototype of electrostatic air cleaner	Amelia Staszowska	15:30	Increasing the passenger health: in-seat ventilation system for reduced particle spreading	Daniel Schmelting
15:40	Real-time measurement of reactive oxygen species emitted from indoor sources	Jonas Enarsson	15:40	The benefits of Personalized Environmental Control Systems (PECS) as part of the mixed-mode building operations in India	Rajan Rawal	15:40	Examine and classify residential buildings with integrated renewable energy systems based on their energy resilience performance under typical and extreme climate conditions in cold climates	Hassam ur Rehman	15:40	From Surfaces to Air: How Germicidal UV (222 & 254 nm) Lamps Alter Volatile Organic Compound Levels in Indoor Environments	Sara Bjørre Sørensen	15:40	Emissions of Per- And Polyfluoroalkyl Substances (PFAS) from Rain Jackets and Resulting Exposure indoors	Clara Eichler
15:50	Emissions of Chemicals of Emerging Concern in Water-based Paints	Yufei Fan	15:50	Assessing Cool Room Potential for Improving Heat Resilience in Disadvantaged Housing	Tianchen Hong	15:50	Comparative analysis of Icelandic exterior walls	Deirdre H Sigurdardottir	15:50	Contribution of human thermal plume to the microenvironmental distribution of indoor particles	Alexandru Cemel	15:50	Towards developing an indoor emissions inventory for the UK: challenges and future directions	Christian Pfarrig
16:00	Optimizing Viral Aerosol Removal with Chitosan-Based Silver-infused TiO2 Filters and Ionization	Wander Chantini	16:00	Overheating in Dutch homes Field study in the search for suitable temperature limits	Froukje van Dijken	16:00	Remediation efficacy of flood affected dwellings in Australia	Heike Dr. Neumeister-Kemp	16:00	Evaluating Particle Clearance, Distribution Homogeneity, and Energy Efficiency under Varying Ventilation Rates in a Sterile Preparation Room	Anneloes de Lange	16:00	Relationship of building material emissions and odour perception: perceived intensity, hedonic tone and reasonableness	Nicole Schult
16:10	Chamber studies on the estimation of emission rates from commercial cleaning products during mopping	Saba Elni Chataoussou	16:10	The impact of Diffusion on Temperature Stratification in Buoyancy-Driven Displacement Natural Ventilation	Yeyu Kang	16:10	Healthy building database: Microbial growth in building structures in indoor air problem and reference buildings	Vuokko Lappalainen	16:10	Exploring microplastics sources in indoor environments, an emerging pollutant	Marie-Astrid Dutot	16:10	Detection of window opening events from CO2 and temperature time series analyses in dwellings	Virginie Desjardins
16:20			16:20			16:20			16:20			16:20	Enhancing Thermal Comfort and Indoor Air Quality in Naturally Ventilated Offices with Intermittent Personalized Ventilation	Itab Al-Rikabi
16:30			16:30			16:30			16:30			16:30	Influence of Direct Current Characteristics on Collection Efficiency in Two-Stage Electrostatic Precipitators	Thiruvai Tennakoon
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Tuesday 10th June, 2025

V-181 Tuesday 10th June, 2025			M-201 Tuesday 10th June, 2025			H-201 Tuesday 10th June, 2025			Public health, occupational & environmental health			Workplaces, schools and healthy environments		
Session Chair Introduction			Session Chair Introduction			Session Chair Introduction			Session Chair Introduction			Session Chair Introduction		
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This is not the final program

at Reykjavik University, Menntavegur 1, Reykjavik, Iceland

Wednesday 11th June, 2025

V-101		Architecture, aesthetics, passive design, biophilia, building physics, building technology	M-101		Community/Eco-labelling	H-101		Occupant behavior & controls	V-201		IAQ
Wednesday 11th June, 2025		Presenter	Wednesday 11th June, 2025		Presenter	Wednesday 11th June, 2025		Presenter	Wednesday 11th June, 2025		Presenter
8:30:00	Session Chair Introduction		8:30:00	Session Chair Introduction		8:30:00	Session Chair Introduction		8:30:00	Session Chair Introduction	
8:40:00	Nordic Sustainable Construction – Results from a 3 year collaboration project by Nordic authorities and industries on reducing emissions and waste in the construction industry	Bjorn Karlsson	8:40:00	Environmental loads and benefits of hybrid offices in the Nordics	Thorhildur Fjola Kristjansdottir	8:40:00	Evaluation of the space efficiency and functionality of residential buildings based on possible activities	Janine Bardey	8:40:00	Predicting Dermal Exposure to Semivolatile Organic Compounds in Consumer Products under Direct Contact Scenarios	Zidong Song
8:52:00	A Initial Review of Personalized Environmental Control Strategies in Outdoor and Semi-Indoor Spaces	Kaho Higuchi	8:52:00	Empowering School Children to Understand and Improve Air Quality in Rural Settings through Citizen Science	Shuangyu Wei	8:52:00	Research on cooling control behavior and indoor thermal environment in Korean households, focusing on a comparative study over 20 years	Hyunji Lee	8:52:00	Quantification of semi-volatile organic compounds in nurseries during CRECH-PEFree project	Mélanie Nicolas
9:04:00	Development of Floor Plan Retrofit Methods to Reduce Thermal Health Risks in Low-Insulated Houses in Temperate Regions of Japan	Ayaka Kani	9:04:00	Community-Engaged Frameworks for Healthy and Sustainable On-Reserve Housing	Sarah Haines	9:04:00	Profiling the Link Between the Objective Indoor Environment and the Subjective Experience of Occupants	Carl Grimes	9:04:00	Assessing occupant ear comfort inside trains: Modeling of pressure variation using subjective feedback and real-time data monitoring	All other IEQ, ergonomics & health topics
9:16:00	Comparative Analysis of Heat Transfer in Polyurethane with Phase Change Materials: Advancing Multi-Scale Modeling for Energy Efficiency	Bokai Liu	9:16:00	Enhancing dynamic metabolic rate estimation using calibration models for portable devices	Yuchun Zhang	9:16:00	Testing a smartphone-enabled real-time data approach to encourage IAQ-promoting behaviors at home	Marta Gabriel	9:16:00	Co-creation of an airflow and COVID-19 transmission risk model for humanitarian shelter design	Yibin Lu
9:28:00	Exploring climate resilience and the indoor environment in Pakistan's higher educational buildings through stakeholder perspectives	Madheha Altaf	9:28:00	Estimation of urban wind profiles in built-up areas from GIS and WRF with a porosity model	Jue Wang	9:28:00	From Individual to Occupant Profiles: Aggregated Personal Comfort Models for Occupant-Centric Building Controls	Pablo Martinez-Alcaraz	9:28:00	The Four Factors of the Indoor Environment and How They Interact	Anna Conzatti
9:40:00	Designing for wellbeing: the role of architecture in educational spaces	Beatriz Piderit-Moreno	9:40:00	Analysis and standardization of Energy Performance Certificates and Smart Readiness Indicators across the EU: first results from the tunES project	Luca Zaniboni	9:40:00	Environmental Sustainability, Thermal Performance, and Occupant Behavior: A Danish Case Study in Circular Construction	Sofie Amalie Sjaeberg Buur-Mouridsen	9:40:00	Health Performance Indicators (HPIs)-How do they present and measure the Impact of Buildings on Health-A Systematic Review	Carl Grimes
9:52:00			9:52:00	Are traditional and historic buildings more efficient than their rating label says?	Oliver Kinnane	9:52:00	Non-Intrusive Multi-Zone Occupancy Sensing via WiFi: Applications in Office Environments	Yeeun Kim	9:52:00	CFD Modeling of PM2.5 Transport and Deposition in the Upper Airways: Integrating Biomedical Aspects through User-Defined Wall Functions	Katerina Tatsiopoulos
10:04:00			10:04:00	Specification study of building envelope based on LCA and GHG emissions	Miyu Matsunobu	10:04:00			10:04:00		Hashir P.K
10:16:00			10:16:00	Evaluating the concurrent operation of gaspers for controlling the airborne disease transmission in an economy-class aircraft cabin	Heating & Ventilation	10:16:00			10:16:00		
10:28:00	The Bauhaus architects and their indoor climate solutions	Atze Boerstra	10:28:00	Energy savings in existing ventilation systems for residential buildings with small apartments	Yunge Hou	10:28:00	Session Chair Introduction	Presenter	10:28:00	Different perceptions of health risks related to indoor air in neighboring countries Finland, Sweden and Estonia	Kati Huttunen
10:40:00	Effect of different heights of photovoltaic on the comprehensive performance of photovoltaic-green roofs	XiaoTong Feng	10:40:00	Tubular Membranes for Enthalpy Exchangers	Michael Johansson	10:40:00	Indoor Air Quality and Adolescents' Cognitive Performance: First Results of CO2 and VOC Levels of a Longitudinal Large-Scale Field Study	Andreas Schütze	10:40:00	Exploring the Impact of Novel Multisensory Environments on Depression, Agitation, Sleep, and Stress in Older Adults with Dementia	Mohammed Alrahyani
10:52:00	Effects of indoor greenery in the workplace: Considerations and Insights from a pilot study development	Lisi Freitas Camboim	10:52:00	Optimized PID Control for Adaptive Heating in Buildings: A Model-Based Approach to Enhance Thermal Comfort and Energy Efficiency	Wiebke Wiessner	10:52:00	Facilitating Cumulative Occupant-Centric Building Science Through Bayesian Region of Practical Equivalence	Jian Pan	10:52:00		
11:04:00	Research on the evolution of environmental and equipment technologies in ultra energy-efficient buildings from the past to the present	Naoya Sugiyara	11:04:00		Makram Abdellatif	11:04:00			11:04:00		
11:16:00	Nature View Potential: A Tool for Quantifying Indoor Nature Dose to Study Occupant Well-Being.	Andrea Green	11:16:00			11:16:00			11:16:00		
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