9th Annex 79 Meeting and OB-22 Symposium Programme - Singapore
Please note: ALL TIMES ARE IN Singapore Time (SGT)!

OB-22 Symposium (Wednesday): September 21, 2022	
8:30 - 9:00	The program timing is in Singapore Time (SGT) Registration and log-in *Location: SDE4-EXR1-2*
9:00 - 9:30	Welcome, introduction and agenda
	Session 1: Data
9:30 - 9:40	**Data-driven framework to extract the occupant-related profiles in institutional archetype buildings** — *Sanam Dabirian, Department of Building, Civil, and Environmental Engineering, Concordia University (Online)*
9:40 - 9:50	**Beyond occupant surveys and interviews: exploiting big data from User-Generated-Content to improve IEQ and human-building interactions** — *Giorgia Chinazzo, Department of Civil and Environmental Engineering, Northwestern University (Online)*
9:50 - 10:00	**CityLearn V2: Data-driven occupant-centric district control** — *Zoltan Nagy, UT Austin (Online)*
10:00 - 10:10	**Exploring urban scale human mobility through big data analysis and machine learning** — *Yapan Liu, Department of Mechanical and Aerospace Engineering, Syracuse University (Online)*
10:10 - 10:20	**Levels of detail for occupant representation in building performance simulation: A case study of office building** — *Jeetika Malik, Building Technology and Urban Systems, Lawrence Berkeley National Laboratory (Online)*
10:20 - 10:30	Open discussion/Q&A
10:30 - 11:00	Break

	Session 2: IEQ/Covid-19
11:00 - 11:10	**International Survey on the Perceived Indoor Environmental Quality of Home-based Workplaces During COVID-19: deployment and early results** — *Donna Vakails, University of British Columbia (Online)*
11:10 - 11:20	**Window operation behaviour in naturally ventilated classrooms during the COVID-19 pandemic** — *Paula Brumer Franceschini, School of Civil Engineering, Architecture and Urban Design, University of Campinas (In person)*
11:20 - 11:30	**Effect of Covid-19 lockdowns on indoor environment in apartments** — *Rune Korsholm Andersen, Technical University of Denmark (In person)*
11:30 - 11:40	**Individual and Group-wise Classroom Seating Experience: Effects on Student Engagement in Different Courses** — *Nan Gao, Royal Melbourne Institute of Technology (Online)*
11:40 - 11:50	**Occupant-centric zoning design: A case study at activity-based workspaces** — *Eikichi Ono, Department of the Built Environment, National University of Singapore (In person)*
11:50 - 12:00	Open discussion/Q&A
12:00 - 13:00	Lunch break
	Session 3: Residential
13:00 - 13:10	**User behaviour after renovation of dwelling** — *Marleen Spiekman, TNO, Centre for Technical Sciences (In person)*
13:10 - 13:20	**Wellbeing in the Built Environment: Developing assessment tools for multi-family buildings** — *Marianne Touchie, Civil & Mineral Engineering, University of Toronto (In person)*
13:20 - 13:30	**Patterns of Residential Thermal Comfort and Human-Building Interactions: Findings from a Novel Data Set** — *Katherine Bassett, Department of Civil and Environmental Engineering, Northeastern University (In person)*
13:30 - 13:40	**The impact of sensor grid density and configuration on the efficacy of RP-1747 demand-controlled ventilation: Simulations and the introduction of a real-world testbed**

	— *Brodie Hobson,Department of Civil and Environmental Engineering, Carleton University (In person)*
13:40 - 13:50	**Developing Residential Occupant Archetypes for Canada** — *Mohamed Ouf, Department of Building, Civil and Environmental Engineering, Concordia University (In person)*
13:50 - 14:00	Open discussion/Q&A
14:00 - 14:30	Break
	Session 4: Behaviour
14:30 - 14:40	**Towards smartwatch-driven just-in-time adaptive interventions (JITAI) for building occupants** — *Chua Yun Xuan, Department of Built Environment, National University of Singapore (In person)*
14:40 - 14:50	**How built environments affect our social systems at multiple scales** — *Andrew Sonta, School of Architecture, Civil and Environmental Engineering, EPFL (In person)*
14:50 - 15:00	**Impact of Behavioral and Non-Behavioral Intervention on Building Energy Use** —*Zachary Colligan, Integrated Design and Construction Laboratory, Washington State University (In person)*
15:00 - 15:10	**Consideration of occupant preferences and habits during the establishment of occupant-centric buildings: a critical review** — *Xiangchao Lian, Institute of HVAC Engineering, Tongji University (Online)*
15:10 - 15:20	**Empowering building occupants with advanced intelligent solutions towards energy-efficient and healthy buildings** — *Giorgia Spigliantini, Integrated Environmental Solutions R&D; Rina Consulting Spa (Online)*
15:20 - 15:30	Open discussion/Q&A
15:30 - 16:00	Break
	Session 5: Behaviour
16:00 - 16:10	**High quality indoor environments for human occupancy: Reflections on the role of standards** — *Christiane Berger, Department of Architecture, Design and Media Technology; Aalborg University (Online)*

16:10 - 16:20	**A wearable device for the built environment based on an open-source ecosystem and low-cost sensors: the first phase** — Francesco Salamone, *Construction Technologies Institute - National Research Council of Italy, Department of Architecture and Industrial Design - Università degli Studi della Campania "Luigi Vanvitelli" (Online)*
16:20 - 16:30	**Optimizing Automated Shading System by Exploring Occupant Behaviour and Comfort in Office Environment: An Experimental Study** — *Ghadeer Derbas, Building physics and technical building equipment (b+tga), Wuppertal University (Online)*
16:30 - 16:40	**Rethinking energy retrofit: how thermal comfort could lead to a user centric process** — *Athina Petsou, Institute of Environmental Design and Engineering, UCL (Online)*
16:40 - 17:00	Open discussion/Q&A
17:00 - 17:10	End of OB-22 Symposium
17:10 - 19:30	Happy Hour (Optional) Hop onto the internal shuttle bus with us to enjoy a happy hour drinks at Good Beer Company: 2 Science Park Dr, Ascent #01-23 Singapore 118222 There are pizza and other food options at Good Beer Company. We can also lead willing participants to Holland Village for dinner options as well at about 19:30+ if desired.

Annex 79 Meeting (Thursday): September 22, 2022	
8:30 - 9:00	The program timing is in Singapore Time (SGT) Registration and log-in Location: SDE4-EXR1-2
9:00 - 9:10	Opening speech by Khee Poh Lam — *Provost's Chair Professor of Architecture and the Built Environment at National University of Singapore*
9:10 - 9:30	Welcome, introduction, roll call & adoption of the agenda
9:30 - 10:00	Overview and general information about Annex 79 by Operating Agents Agenda for breakouts (Slides from STLs presented by the OAs)
10:00 - 10:30	Break
11:00 - 11:30	Overview of activities in all Subtasks and discussion, Agenda for breakouts
11:30 - 13:00	Group photo + Lunch Break
13:00 - 15:00	Breakout sessions for presentations, discussions, further work plan, and planning of deliverables
	Subtask 1 - Location : SDE4-EXR1-2 Subtask 2 - Location : SDE2-ER1 Subtask 3 - Location : SDE1-SR1 Subtask 4 - Location : SDE1-SR5-6
15:00 - 15:30	Break
15:30 - 16:15	Open Blue Innovation Center Presentation

16:15 - 16:30	Prepare to leave for Lau Pa Sat
17:00 - 20:00	Singapore food tasting tour at Lau Pa Sat (Optional) Experience Singapore's unique food culture with us! A chartered bus will pick everyone up at SDE4 and head to Lau Pa Sat. Lau Pa Sat address: 18 Raffles Quay, Singapore 048582

Annex 79 Meeting (Friday) September 23, 2022	
8:30 - 9:00	The program timing is in Singapore Time (SGT) Registration and log-in Location: SDE4-EXR1-2
9:00 - 9:30	Brief agenda for breakouts from STLs for each ST
9:30 - 11:30	Breakout sessions (continued)
	Subtask 1 - Location : SDE4-EXR1-2 Subtask 2 - Location : SDE2-ER1 Subtask 3 - Location : SDE1-SR1 Subtask 4 - Location : SDE1-SR5-6
11:30 - 12:30	Lunch Break
12:30 - 13:00	Plenary session for cross-subtask activities
13:00- 13:45	STs' summary presentations and discussion
13:45 - 15:15	Discussion about next Annex Proposal

15:15 - 15:45	Break
15:45 - 16:15	Dissemination issues: seminars/workshops at conferences, special issues of journals, website, newsletters, outreach to other organisations
16:15 - 17:00	Ending presented by host - Summary and closing remarks

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Time Zone Assistance

World Time Buddy Link