

WEDNESDAY BREAK-OUT SESSION SCHEDULE

SESSION F (WEDNESDAY) 8:30am - 10:30am									
SESSION NAME	TRACK / TOPIC	SESSION CHAIR	ROOM	CAPACITY	SPEAKERS	PAPER #	TITLE	TIME	
F1	Strategies, Tools, Simulation Methods		Crystal	Bruce Haglund					
					Silva, Ghisi	1085	Decision Making Approach for Improving Energy Efficiency of Residential Buildings	8:30 AM - 8:45 AM	
					Nault, Rey, Andersen	1093	A Multi-Criteria Decision-Support Workflow for Early-Stage Neighborhood Design based on Predicted Solar Performance	8:45 AM - 9:00 AM	
					Agarwal, Rastogi, Peltier, Pastore, Andersen	1108	Examining Building Design Decisions Under Long Term Weather Variability and Microclimate Effects	9:00 AM - 9:15 AM	
					Lopes, Cóstola, Labaki	1453	Use of Passive Bioclimatic Strategies for an Office Building: An Analysis for Tropical climate in northeast Brazil	9:15 AM - 9:30 AM	
					Kegel, O'Dea	1460	Quantifying Passive School Design Strategies for the 21st Century in 16 Climate Zones	9:30 AM - 9:45 AM	
					Pobre, Lannon	1071	Effectiveness of Neighbourhood Retrofit Strategies in Mitigating the Urban Heat Island in Salcedo Village Philippines	9:45 AM - 10:00 AM	
					Célis-Mercier, Potvin, Demers	1365	Environmental Resilience of Schools through Children's Adaptive and Interactive Adaptability: Processes, Challenges and Opportunities	10:00 AM - 10:15 AM	
					Hatefina, Barakati, Ghobad, Estampanah	1469	A Novel Methodology to Assess Mean Radiant Temperature in Complex Outdoor Spaces	10:15 AM - 10:30 AM	
F2	Strategies, Tools, Simulation Methods		Tiffany	Mary Guzowski					
					Pastore, Rastogi, Rockcastle, Rueff, Monar Andersen	1484	Assessing the Impact of Contemporary Urbanization on Bioclimatic Features of Historic Architecture through a Two-step Simulation Process	8:30 AM - 8:45 AM	
					Al Sabbagh, Yannas, Cadima	1512	Improving Pedestrian's Thermal Sensation In Dubai	8:45 AM - 9:00 AM	
					Ottone, Cocci Grifoni, Leuzzi	1241	Cable Car Mobility: A New Possibility for an Innovative, Sustainable Urban Transport System	9:00 AM - 9:15 AM	
					Singh, Agrawal	1215	Comparative Analysis of Life Cycle Energies of Various Wall Assemblies in India	9:15 AM - 9:30 AM	
					Carvalho, Moreno, Tinóco, Pedrini	1540	The Inadequacy of Rules-of-thumb to Determine Daylight Zone Depth for Different Shading Systems in Tropical Climate	9:30 AM - 9:45 AM	
					Ajammaz, Schiler	1468	Daylighting Tubes in Riyadh and Los Angeles: Comparison of cultural factors in potential market penetration	9:45 AM - 10:00 AM	
					Shiff, Gilad, Ophir	1141	Three Dimensional Optimized BIPV Envelopes: Optimizing an Academic Institute Facade for Increased Energy Production	10:00 AM - 10:15 AM	
					Pottgiesser, Kirch	1262	Acoustic Optimisation by Office and Facade Design: Case Studies based on Experiments and Simulation	10:15 AM - 10:30 AM	
F3	Strategies, Tools, Simulation Methods		Roman	Paula Cadima					
					Xu, Liu, Dang, Wang	1180	The Influence Study of Entrance Air Infiltration Rate on Energy Consumption and Optimal Design of the High-Speed Railway Station in Cold Climate Regions	8:30 AM - 8:45 AM	
					Recart, Diaz	1390	Reduction of Air Infiltration in Timber Frame Dwellings through Enhanced Details	8:45 AM - 9:00 AM	
					Hong, Kim, Kim	1264	Investigation of Condensation on the Indoor Surfaces of Basement Parking Facility in Residential Buildings using a Building Simulation Tool	9:00 AM - 9:15 AM	
					Vuarnoz, Jusselme, Cozza, Rey, Andersen	1102	Studying the Dynamic Relationship between Energy Supply Carbon Content and Building Energy Demand	9:15 AM - 9:30 AM	
					Buckley	1305	ASHRAE's First Zero Net Energy Modeling Competition - Successful Collaboration	9:30 AM - 9:45 AM	
					Aly Etman, Lichter-Mark, Dyson, Diniz	1417	Simulation of Building Integrated Solar Energy Storage Systems in Hot Humid Climates	9:45 AM - 10:00 AM	
					Ragheb	1445	A Comparative Eco-balance Evaluation of Materials Choices of A Typical Building vs. An Energy Efficient	10:00 AM - 10:15 AM	
					Khajezadeh, Vale	1531	Large Housing, Furniture, Appliances and Resource Use	10:15 AM - 10:30 AM	
F4	Passive Strategies for Resilient Cities		Corinthian	Susan Roaf					
					Sdei, McEvoy	1418	The Effects of Insulation and Air-tightness in Reducing the Overheating Risk of Retrofitted Social Housing	8:30 AM - 8:45 AM	
					Villavicencio, Lopez, Menedez, Freixanet	1425	Strategic Hygrothermal Comfort Review of an Auditorium Designed with a Bioclimatic Approach	8:45 AM - 9:00 AM	
					Trebilcock, Perez-Fargallo, Figueroa, Solo-Munoz	1449	Thermal Indoor Environment and Air Quality of School Classrooms in a Temperate Climate: Field Study in Chile	9:00 AM - 9:15 AM	
					McKee, Yannas	1507	High-Rise Residential Building Enclosure: Adaptive Strategies for Hong Kong's Projecting Bay Windows	9:15 AM - 9:30 AM	
					Le, Gillott, Rodrigues	1300	The Case for Hybrid Ventilated Primary Schools in Ho Chi Minh City in Vietnam	9:30 AM - 9:45 AM	
					Doctor-Pingel, Lavocat	1338	Performance of Naturally Ventilated Buildings in Warm-Humid Climate - A case study of Golconde Dormitories, Pondicherry, S. India	9:45 AM - 10:00 AM	
					Aldossary, Ali, Mun Summ	1391	To Do Away with Airconditioning_Comfort with Natural Ventilation in Tropical high-rise	10:00 AM - 10:15 AM	
					Juneja, Cadima	1357	Courtyards as Semi-outdoor Learning Spaces: Exploring the Potential of Outdoor Learning in Primary Schools	10:15 AM - 10:30 AM	
F5	Carbon Neutral Design		Cordoban	Vincent Buhagiar					
					Mohajeri, Gudmundsson, Kurckler, Upadhyay, Assouline, Kämpf, Scartezzini	1200	How Street-canyon Configurations Affect the Potential of Solar Energy	8:30 AM - 8:45 AM	
					Tablada, Sahshwat	1265	Potential Use of Building Facades for Food and Energy Harvesting in Singapore	8:45 AM - 9:00 AM	
					Guerra-Santin, Boess, Konstantinou, Klein, Silvester	1103	Renovation of Social Housing in the Netherlands: User Research Approach	9:00 AM - 9:15 AM	
					Santucci, Auer, Frenzel	1123	Build simple - Climate Engineering 2.0	9:15 AM - 9:30 AM	
					Passe, Anderson, Brabanter, Dorneich, Krejci, Poplin, Shenk	1203	Methodologies for Studying Human-Microclimate Interactions for Resilient, Smart City Decision-Making	9:30 AM - 9:45 AM	
					Bryan, Myers	1287	Energy and Time-of-Use Savings of a Hybrid Cooling and Storage System	9:45 AM - 10:00 AM	
					Keena, Aly, Rempel, Dyson	1433	Designing Built Ecologies	10:00 AM - 10:15 AM	
					Goncalves	1439	The Value of Environmental Design in the Context of the Green Economy	10:15 AM - 10:30 AM	
F6	Sustainable Design Education		Athenian	Marc Schiler					
					Mejia, Ramirez, Zayas, Freixanet	1402	Passive Dehumidification System with Zeolite in Concrete Block. Study Case: Warm Humid Tropic	8:30 AM - 8:45 AM	
					Christenson, Srivastava	1443	Passive House Design-Build: Generative Full-Scale Pedagogy	8:45 AM - 9:00 AM	
					Zhu, Wang	1528	Bioclimatic Design Approach Integration into Architectural Design: a Library Case Study	9:00 AM - 9:15 AM	
					de Schiller, Evans, Figueroa, Castorena	1537	30 Years of Teaching Bioclimatic Design in Architecture in Graduate and Postgraduate Courses in Mexico City and Buenos Aires	9:15 AM - 9:30 AM	
					Seddiki, Anouche, Bennadji	1107	Multi-criteria Decision Making for the Thermal Renovation of Masonry Buildings in Algeria	9:30 AM - 9:45 AM	

					Demers, Potvin	1420	Erosion as a Form Giver for Climate Responsive Architecture: Design Experiments with Natural Fluxes	9:45 AM - 10:00 AM
					Olowy	1306	That is Too Radical For Us: Sustainable Design Education in East Africa	10:00 AM - 10:15 AM
					Nute, Stattler	1039	Outside in: Using the Natural Movements of Sunlight, Wind and Rain to Animate Sustainable Practices and Building Interiors	10:15 AM - 10:30 AM
F7	Passive Strategies for Resilient Cities		Mediterranean	Margot McDonald				
					Mohamed	1089	Building Energy Performance in Relation to Roofing Construction Technologies	8:30 AM - 8:45 AM
					Wieser	1174	Control of Solar Radiation on Roofs and Thermal Performance in Buildings along the Peruvian Coast	8:45 AM - 9:00 AM
					Afroz, Islam, Ahmed	1513	Exactitude of Green Roof in Planned Residential Area with Significant Vegetation at Ground Level Impact on Urban Canopy Layer Micro-climates	9:00 AM - 9:15 AM
					Vera, Pinto, Bustamante, Victorero	1523	Effect of the Thermal Insulation on the Thermal Performance of an Extensive Vegetated Roof of a 1-story Supermarket Located in a Semiarid Climate	9:15 AM - 9:30 AM
					Rempel, Bertis, Farnham, Pearson, Seipp, Valcour, Holmes	1276	Restorative Passive Solar Redesign in Upstate New York	9:30 AM - 9:45 AM
					Patterson, Kensek, Noble	1429	Skin Deep Resilience: Shocks and Stresses in the Building Facade	9:45 AM - 10:00 AM
					Abreu-Harbach, Morelli, Brocanelli, Labaki	1435	How do Green Façades Mitigate the Thermal Stress under Heat Waves? Case of Minhocão Elevate Highway, São Paulo (Brazil)	10:00 AM - 10:15 AM
					Dartevelle, Obyne, Vanwelde	1224	Measure of Occupants' Satisfaction in High Energy Performance Residential Buildings: Results from the action Construire Avec l'Energie in Belgium	10:15 AM - 10:30 AM