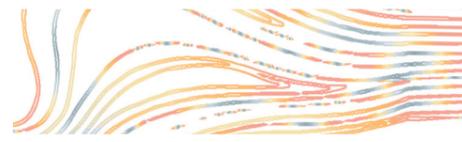


DAY 0 : Tuesday, December 12, 2023

09:30 - 11:20	Workshop 2: Urban Energy Modelling in the Global South (UBEM) Workshop By: Dr. Paul Ruyssevelt	CFP 101C CEPT University, K.L.Campus, Ahmedabad, Gujarat.
10:00-11:20	Workshop 1: Climate Resilient Energy Efficient Design in Architecture (CREEDA) Workshop By: Prof Sukumar Natarajan	Seminar U01-201 Above New Canteen, CEPT University, K.L.Campus, Ahmedabad, Gujarat.
11:20 - 11:30	Break: Tea, Coffee, snacks	
11:30 - 12:20	Workshop 1: Climate Resilient Energy Efficient Design in Architecture (CREEDA) Workshop By: Prof Sukumar Natarajan	Seminar U01-201 Above New Canteen, CEPT University, K.L.Campus, Ahmedabad, Gujarat.
	Workshop 2: Urban Energy Modelling in the Global South (UBEM) Workshop By: Dr. Paul Ruyssevelt	CFP 101C CEPT University, K.L.Campus, Ahmedabad, Gujarat.
12:20 - 13:05	Lunch	CFP 103 CEPT University, K.L.Campus, Ahmedabad, Gujarat.
13:05 - 16:25	Workshop 1: Climate Resilient Energy Efficient Design in Architecture (CREEDA) Workshop By: Prof Sukumar Natarajan	Seminar U01-201 Above New Canteen, CEPT University, K.L.Campus, Ahmedabad, Gujarat.
	Workshop 3: Grounded Energy Modelling Development (GEMDev) Workshop By: Dr. Pamela Fennell	CFP 101C CEPT University, K.L.Campus, Ahmedabad, Gujarat.
16:25 - 16:35	Break	
16:35 - 17:00	Workshop 1: Climate Resilient Energy Efficient Design in Architecture (CREEDA) Workshop By: Prof Sukumar Natarajan	Seminar U01-201 Above New Canteen, CEPT University, K.L.Campus, Ahmedabad, Gujarat.

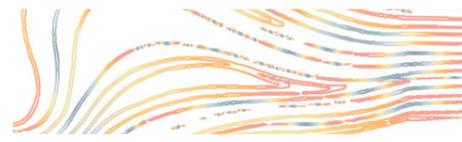


DAY 1 : Wednesday, December 13, 2023

15:25 - 16:25	Technical Tour 1 : Net Zero Energy Building and CARBSE R&D Facilities	Ground Floor, Net Zero Energy Building, CEPT University, K.L.Campus, Ahmedabad, Gujarat
16:25 - 16:35	Break	
17:15 - 18:55	Registration and Reception	Balwantrai N. Brahmbhatt Lecture Hall and Kund area, CEPT University, K.L.Campus, Ahmedabad, Gujarat.

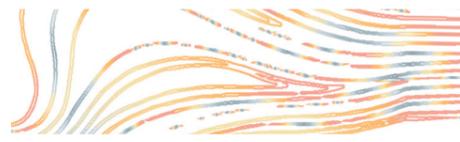
DAY 2 : Thursday, December 14, 2023

08:30 - 09:30	Technical Tour 2 : Net Zero Energy Building and CARBSE R&D Facilities	Ground Floor, Net Zero Energy Building, CEPT University, K.L.Campus, Ahmedabad, Gujarat
10:00 - 10:30	Session 1: Inauguration of CATE 2023	Balwantrai N. Brahmbhatt Lecture Hall CEPT University, K.L.Campus, Ahmedabad, Gujarat.
10:30 - 11:20	Session 2 Keynote 1: Alliesthesia – the other kind of thermal comfort. Richard de Dear, Professor Emeritus, School of Architecture, Design and Planning, The University of Sydney, Australia	Balwantrai N. Brahmbhatt Lecture Hall CEPT University, K.L.Campus, Ahmedabad, Gujarat.
11:20 - 11:30	Break: Tea, Coffee, snacks	
11:30 - 12:20	Session 3 Keynote 2: Are we tropical animals? Wouter D. van Marken Lichtenbelt, Professor Ecological Energetics and Health School for Nutrition and Translational Research in Metabolism, Maastricht University, Netherlands	Balwantrai N. Brahmbhatt Lecture Hall CEPT University, K.L.Campus, Ahmedabad, Gujarat.
12:20 - 13:05	Lunch	CFP 103 CEPT University, K.L.Campus, Ahmedabad, Gujarat.



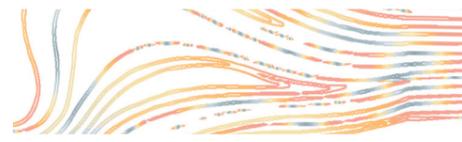
Session 4 : Paper Presentations (13:05 - 14:25)

13:05 - 14:25	Session 4A : Health and Well-being in buildings	Paper ID: 1110 Occupant satisfaction: a measure of Green Building Performance Presenting Author: Grover, Ashima C	Balwantrai N. Brahmbhatt Lecture Hall CEPT University, K.L.Campus, Ahmedabad, Gujarat.
		Paper ID: 1125 Enhancing Indoor Air Quality and Occupant Well-being in Split Air-Conditioned Bedrooms through Integrated Ventilation Presenting Author: Mondal, Nilabhra	
		Paper ID: 1170 The daylight almanac of Indian households: A case of Ahmedabad Presenting Author: Agarwal Minu	
		Paper ID: 1189 Field study on measuring indoor air quality in certified green-rated urban Indian residences Presenting Author: Gupta, Rajat	
13:05 - 14:25	Session 4B: Design Intervention in Buildings for thermal comfort	Paper ID: 1114 Contemporary Vernacular Architecture in The Brazilian Tropical Savana: The Case-Study of the Children's Village in the Canuana Farm, in Tocantis. Presenting Author: Soares Goncalves, Joana Carla	CFP 101A CEPT University, K.L.Campus, Ahmedabad, Gujarat.
		Paper ID: 1117 Impact of Naturally Ventilated Residential Units on Heat Stress Presenting Author: Ghosal, Sreeparna	
		Paper ID: 1127 Designing dwellings to cope with extreme heat in low-income communities Presenting Author: Roberts, Ben M.	
13:05 - 14:25	Session 4B: Design Intervention in Buildings for thermal comfort	Paper ID: 1130 The Future of Responsive Facade for Multi-Storey Residential Buildings in Tropical Climates Presenting Author: Goncalves, Joana	CFP 101A CEPT University, K.L.Campus, Ahmedabad, Gujarat.



Session 4: Paper Presentations (13:05 - 14:25)

13:05 - 14:25	Session 4C: Nature-based Solutions	Paper ID: 1126 Influence of Hygroscopic Property of Lime and Cement Plaster on Building Energy Consumption for Different Climate Zones of India Presenting Author: Mullick, Divya	CFP 101C CEPT University, K.L.Campus, Ahmedabad, Gujarat.	
		Paper ID: 1150 Learnings from the extreme thermal comfort adaptation of Jain ascetics during the summer and the monsoon months in India Presenting Author: Dhariwal, Jay		
		Paper ID: 1153 Perception of the impact of biophilia on the health and well-being of occupants in a hospital setting. Presenting Author: Watwani, Unati Kumar		
		Paper ID: 1160 The Green Side of Passive Cooling: Building Facades Inspired by Evapotranspiration in Trees Presenting Author: Siripurapu, Monish		
	Session 4D: Climate Resilience Buildings and Communities	Paper ID: 1134 Role of urban morphology in enhancing the outdoor thermal comfort: A case of Mumbai Presenting Author: Rahigude, Srushti		FP 102 Auditorium CEPT University, K.L.Campus, Ahmedabad, Gujarat.
		Paper ID: 1191 Onsite Thermal Energy Storage for Efficient and Resilient Air-conditioning in Indian Buildings Presenting Author: Goyal, Anurag		
		Paper ID: 1188 Assessing the Integration of Building Science in Higher Education Curricula: Implications for Climate Change Adaptation in the Built Environment Presenting Author: Kotharkar, Rajashree Shashikant		
		Paper ID: 1115 The energy saving potential of using adaptive setpoint temperatures: a case study for offices in India Presenting Author: Rubio-Bellido, Carlos		

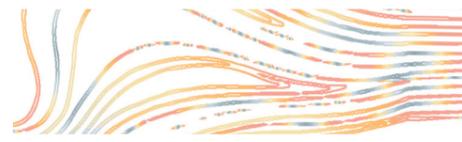


Session 5: Talk by Invited Speakers (14:25 - 16:25)

14:25 - 16:25	<p>The Quantum Comfort Leap Susan Roaf Emeritus Professor, Heriot Watt University</p>	<p>Balwantrai N. Brahmbhatt Lecture Hall CEPT University, K.L.Campus, Ahmedabad, Gujarat.</p>
	<p>Advancement in Urban Energy Modeling Drury Crawley Director of Building Performance with Bentley Systems Inc</p>	
	<p>Integrated Design for a Warming Future – Resilience and Well-being in Warm Climates Ashok B Lall Architect and Founder, Ashok B Lall Architects</p>	
	<p>Lodha's approach of delinking growth from emissions by transforming the built environment. Aun Abdullah Deputy Vice President, Lodha Group</p>	
16:25 - 16:35	Break: Tea, Coffee, snacks	

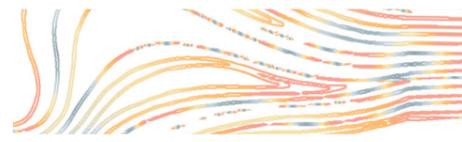
Session 6: Paper Presentations (16:35 - 17:55)

Session 6A: Circular Economy, building materials and methods	<p>Paper ID: 1116 Pitch to Policy program in India and Indonesia - a co creation approach towards decarbonisation Presenting Author: Burton, Craig Alexander</p>	<p>Balwantrai N. Brahmbhatt Lecture Hall CEPT University, K.L.Campus, Ahmedabad, Gujarat.</p>
	<p>Paper ID: 1118 Circular Economy, Building Materials and Methods Presenting Author: Bhandari Arun</p>	
	<p>Paper ID: 1148 An experimental investigation on the impact of lime and cement mortar/plaster material on the indoor hygrothermal environment of test spaces Presenting Author: Singh, Ayushi</p>	
	<p>Paper ID: 1161 Assessment of the thermal performance of alternative wall and roof assembly in buildings: A case in Vijayawada Presenting Author: N, Yeswanth</p>	



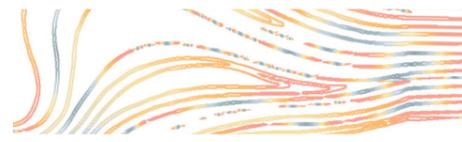
Session 6: Paper Presentations (16:35 - 17:55)

16:35 - 17:55	Session 6B : Thermal Comfort Models and Metrics, and Resilience	Paper ID: 1119 Characteristics of thermal comfort in the warm and humid climate of North-East India Presenting Author: Singh, Manoj Kumar	CFP 101A CEPT University, K.L.Campus, Ahmedabad, Gujarat.	
		Paper ID: 1120 Applicability of existing models for predicting thermal comfort in sports facilities through the analysis of a case study Presenting Author: Lamberti, Giulia		
		Paper ID: 1167 Thermal comfort and occupants' behavior in Japanese condominium Presenting Author: Aqilah, Naja		
	Session 6C: Low energy Cooling Technologies	paper ID: 1129 Development of simulation-based strategy for mixed-mode operation of buildings Presenting Author: Singh, Harshal		CFP 101C CEPT University, K.L.Campus, Ahmedabad, Gujarat.
		Paper ID: 1141 Thermal performance analysis of thermoelectric radiant panel system for indoor space heating Presenting Author: Mishra, Gaurav		
		Paper ID: 1157 Passive Cooling Strategies For A Better Comfort During Weather Extremes – Adapting the Existing Building Stock In German Cities To Future Climatic Conditions Presenting Author: Kader, Alexander		
Paper ID: 1181 Experimental assessment of various control algorithms for direct evaporative cooling systems Presenting Author: Nigam, Shreya				



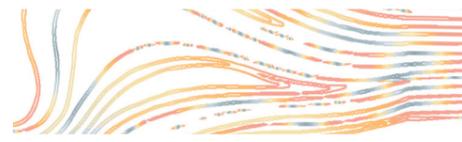
Session 6: Paper Presentations (16:35 - 17:55)

	<p>Session 6D: Human Physiology and Adaptation</p>	<p>Paper ID: 1131 Revisiting hotels: A holistic approach to increase guest comfort and save energy for hotels in North India Presenting Author: Soares Goncalves, Joana Carla</p>	<p>FP 102 Auditorium CEPT University, K.L.Campus, Ahmedabad, Gujarat.</p>
		<p>Paper ID: 1144 Skin temperature and thermal perceptions over the day: a case study in a hybrid-ventilated living lab Presenting Author: Bavaresco, Mateus</p>	
		<p>Paper ID: 1186 Impact of Climate Change on the Sociocultural Landscapes of Barsana Town in Braj Region Presenting Author: Bharti, Anupama</p>	
		<p>Paper ID: 1200 Study on behavioral adaptation for the adaptive thermal comfort and energy saving in Japanese office buildings Presenting Author: Rijal, Hom Bahadur</p>	
<p>17:55 - 18:55</p>	<p>Session 7 Keynote 3: Pondering the Performance of the Performance Paradigm Ardeshir Mahdavi University Professor, Institute of Building Physics, Services, and Construction, Faculty of Civil Engineering Sciences, TU Graz, Austria</p>	<p>Balwantrai N. Brahmbhatt Lecture Hall CEPT University, K.L.Campus, Ahmedabad, Gujarat.</p>	
<p>19:15 Onwards</p>	<p>Conference Dinner</p>	<p>AGASHIYE: The house of MG Opp. Sidi Saiyyed mosque, Old City, Gheekanta, Lal Darwaja, Ahmedabad, Gujarat 380001</p>	



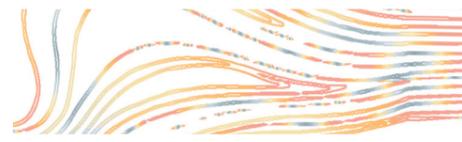
DAY 3 : Friday, December 15, 2023

07:30 - 09:30	Ahmedabad Heritage Walk	Starting Point: The house of MG, Opp. Sidi Saiyyed mosque, Old City, Gheekanta, Lal Darwaja, Ahmedabad, Gujarat 380001 Ending Point: Jama Masjid
08:30 - 09:30	Technical Tour 3 : Net Zero Energy Building and CARBSE R&D Facilities	Ground Floor, Net Zero Energy Building, CEPT University, K.L.Campus, Ahmedabad, Gujarat
10:30 - 11:20	Session 9 Keynote 4: The Siesta and the Wildfire: Designing Comfort in Times of “Anomalous Weather” Susan Ubbelohde Principal Architect of Loisos + Ubbelohde, Alameda, California, USA	Balwantrai N. Brahmbhatt Lecture Hall CEPT University, K.L.Campus, Ahmedabad, Gujarat.
11:20 - 11:30	Break: Tea, Coffee, snacks	
11:30 - 12:20	Session 10 Keynote 5: Building Sustainable Community: Good Earth Experiment Jeeth Iype Architect and Founder of Good earth, India	Balwantrai N. Brahmbhatt Lecture Hall CEPT University, K.L.Campus, Ahmedabad, Gujarat.
12:20 - 13:05	Lunch	CFP 103 CEPT University, K.L.Campus, Ahmedabad, Gujarat.



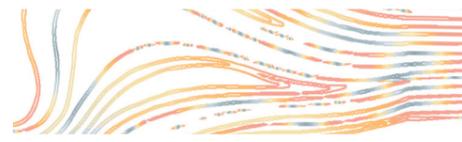
Session 11: Paper Presentations (13:05 - 14:25)

13:05 - 14:25	Workshop 4: Preparing for climate change – a perspective on humans and buildings By: Marcel Schweiker and Hannah Pallubinsky		CFP 101A CEPT University, K.L.Campus, Ahmedabad, Gujarat.	
	Session 11A : Health and Well-being in buildings	Paper ID: 1135 Analysing indoor thermal comfort in LIG housing with respect building materials and openings, a case of Trivandrum Presenting Author: Sherin P M, Fahmida	Balwantrai N. Brahmbhatt Lecture Hall CEPT University, K.L.Campus, Ahmedabad, Gujarat.	
		Paper ID: 1136 Perceptions of IEQ, well-being and work performance in work-from-home settings Presenting Author: Manu, Sanyogita		
		Paper ID: 1154 Evaluation of the occupant perception of air quality within the indoor setting in the composite climate of Delhi Presenting Author: Agarwal, Pooja		
		Paper ID: 1168 Study on WBGT for heat stroke evaluation during summer in Japanese living rooms Presenting Author: Mizutani, Nokuto		
	Session 11B: Urban Heat Island and Outdoor Comfort	Paper ID: 1142 The climate spatial variability and its impact on the thermal energy simulation of buildings: a case study of São Paulo, Brazil Presenting Author: Geraldi, Matheus	CFP 101C CEPT University, K.L.Campus, Ahmedabad, Gujarat.	
		Paper ID: 1162 An assessment of the Universal Thermal Climate Index of Urban Outdoor Spaces- A case study of Central Business District (CBD), Ahmedabad Presenting Author: Mehta, Jahnvi		
		Paper ID: 1177 Study on the role of vegetation towards thermal comfort in outdoor urban areas Presenting Author: Subedi, Rupendra		
			Paper ID: 1155 Impact of extreme weather events on the thermal comfort of vulnerable populations in the city of Sao Paulo Presenting Author: Dardin, Alessandro Augusto	



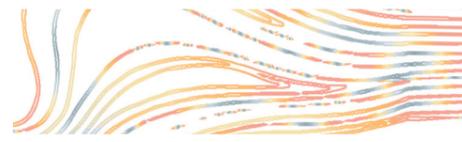
Session 11: Paper Presentations (13:05 - 14:25)

		<p>Paper ID: 1121 Enhancing Contemporary Envelope Design for Hot and Arid Climates: Integrating Vernacular Strategies for Window-to-Wall Ratios and Shading Devices. Presenting Author: Goncalves, Joana</p>	
<p>13:05 - 14:25</p>	<p>Session 11C: Climate Resilience Buildings and Communities</p>	<p>Paper ID: 1149 Reducing extreme discomfort in the global South – Comparison of a calibrated model and locally measured data from informal housing in Peru Presenting Author: Oraopoulos, Argyris</p>	<p>FP Auditorium CEPT University, K.L.Campus, Ahmedabad, Gujarat.</p>
		<p>Paper ID: 1175 Urban Oasis for Adaptation to Climate Change: Analysis of Climate Adaptation Plans (CAP) around the world Presenting Author: Duarte, Denise Helena Silva</p>	
		<p>Paper ID: 1124 Energy Usage in Buildings for future climate: A case study of Concordia University Buildings in Montreal Presenting Author: Sharma, Kartikay</p>	



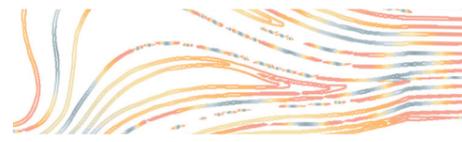
Session 12: Invited Speakers (14:25 - 16:25)

14:25 - 16:25	<p>Ways forward in thermal comfort prediction for building design and operation Marcel Schweiker Professor Healthy Living Spaces, Institute for Occupational, Social, and Environmental Medicine</p>	<p>Balwantrai N. Brahmbhatt Lecture Hall, CEPT University, K.L.Campus, Ahmedabad, Gujarat.</p>
	<p>From cooled to fresh conditions - Hybrid Cooling for the Dry and Humid Zones Wolfgang Kessling Director, Transsolar, Germany</p>	
	<p>Living laboratory insights for low energy, healthy and resilient built environments - the case of Fairwater, Western Sydney Australia Leena Thomas Professor, Faculty of Design Architecture and Building, University of Technology, Sydney</p>	
	<p>Harnessing Mixed Mode Ventilation and Occupant-Centric Controls for Energy Savings in the Tropics Adrian Chong Assistant Professor, Department of the Built Environment College of Design and Engineering National University of Singapore</p>	
16:25 - 16:35	Break: Tea, Coffee, snacks	



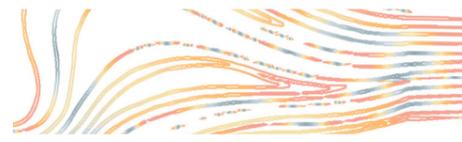
Session 13: Paper Presentations (16:35 - 17:55)

		<p>Paper ID: 1171 Balancing Carbon Emissions and Comfort: A Comparative Study of Envelope Materials in Affordable Housing Projects Presenting Author: Tripathi, Awatans</p>	
16:35 - 17:55	<p>Session 13A: Climate Resilience Buildings and Communities</p>	<p>Paper ID: 1190 Improved burnt clay brick masonry: Lowering upfront embodied carbon, improving thermal comfort and climate resilience of new housing in the Indo-Gangetic Plains Presenting Author: Maithel, Sameer</p>	<p>Balwantrai N. Brahmbhatt Lecture Hall CEPT University, K.L.Campus, Ahmedabad, Gujarat.</p>
		<p>Paper ID: 1178 Integrated evaluation for energy and comfort quantification of windows in a residential apartment of Mumbai Presenting Author: Soi, Vardan</p>	
		<p>Paper ID: 1198 Slum redevelopment and its gendered implications on thermal comfort – the experiences of female residents in Ahmedabad Presenting Author: Fuchs, Janina</p>	
	<p>Session 13B: Thermal Comfort Models and Metrics and Resilience</p>	<p>Paper ID: 1152 Roadmap to implementation of thermal comfort policies in affordable housing Presenting Author: Ramesh, Nithya</p>	<p>CFP 101A CEPT University, K.L.Campus, Ahmedabad, Gujarat.</p>
		<p>Paper ID: 1169 Study on thermal comfort zone in MM and HVAC office buildings in Aichi prefecture based on daily survey Presenting Author: Khadka, Supriya</p>	
		<p>Paper ID: 1182 Study on comfort temperature in Autumn season of naturally ventilated office building in Kathmandu Presenting Author: Lamsal, Prativa</p>	



Session 13: Paper Presentations (16:35 - 17:55)

16:35 - 17:55	Session 13C: Design Intervention in Buildings for thermal comfort	Paper ID: 1132 Field Studies of Thermal Comfort in Heritage Hotel Buildings in warm humid climate of India Presenting Author: Dasgupta, Shalini	CFP 101C CEPT University, K.L.Campus, Ahmedabad, Gujarat.
		Paper ID: 1146 Historic windows with passive heat loss reduction strategies and their effect on indoor thermal comfort Presenting Author: Mathew, Dennis	
		Paper ID: 1166 Optimising energy efficiency and thermal comfort measures for a low-income residential building in Ahmedabad, India Presenting Author: Sharmin, Tania	
		Paper ID: 1204 Enhancing Net-Zero Energy Buildings: A Comprehensive critical Review of Passivhaus Design in the UK Presenting Author: Singhal, Harshul	
16:35 - 17:55	Session 13D: Health and Wellbeing in Buildings	Paper ID: 1173 Comfort Rating Method for Potential Inclusion in Australia's Nationwide Energy Rating Scheme (NatHERS) – Darwin Climate Zone Case Study Presenting Author: Sadeghi, Mahsan	FP Auditorium CEPT University, K.L.Campus, Ahmedabad, Gujarat.
		Paper ID: 1176 Furniture layout in residences- The role of thermal comfort Presenting Author: T K, Jayasree	
		Paper ID: 1203 An assessment of the thermal conditions and users' thermal adaptability in air-conditioned offices in a hot climate region Presenting Author: Al-Khatri, Hanan	
17:55 - 18:25	Closing Ceremony		Balwantrai N. Brahmhatt Lecture Hall CEPT University, K.L.Campus, Ahmedabad, Gujarat.



DAY 4 : Saturday, December 16, 2023

09:00 - 18:00

Full Day Trip: Adalaj, Patan, Modhera Sun temple

Pickup Point: CEPT University,
North Gate

Drop-off Point: CEPT
University, North Gate