



PLEA 2017 EDINBURGH

Design to Thrive

COMFORT AND DELIGHT FORUM

Assembly Rooms Building: **West Drawing Room**
July 4th

	TIME	min	Chair:	Nicol	Fergus	
10:00 - 11:00 Analysis in thermal comfort						
1	10:00	10	0874	Xiaoyu	Du	The correlation of spatial openness and thermal environmental perception in hot and humid climate
2	10:10	10	0920	Wang	Tao	The effect of window form on summer thermal comfort in the cold climate of China
3	10:20	5	0963	Leopoldo Eurico Gonçalves Bastos		Socio-environmental analysis of a vernacular architecture as a basis for new popular housing projects
4	10:25	10	1194	Stephanie	Gauthier	Are heavyweight building more comfortable? The potential of thermal mass in increasing thermal comfort
5	10:35	5	1713	Fawaz	Alshehri	Requirements analysis for BIM-based Thermal Comfort Analysis
6	10:40	10	0277	Jorge	San Miguel	Exploring alternative solutions for the alleviation of energy poverty: the thermal refuge study case in Pamplona. (North of Spain)
7	10:50	10	1102	Yiqiang	Zhao	EdenApp Thermal Comfort: A mobile app for measuring personal thermal comfort
11:00 - 12:00 Comfort in Educational and health care						
8	11:00	5	0865	Chiara	Mariele Gurgacz Destro	Sustainability and Energy Efficiency of the health facilities in a city in the south of Brazil: an exploratory study
9	11:05	10	0068	Thi Ho Vi	Le	Seasonal variation in thermal comfort sensation in primary schools in Vietnam
10	11:15	10	1177	Sepideh Sadat	Korsavi	Evaluating Thermal Comfort and Indoor Air Quality in Classrooms Located in Kashan-Iran
11	11:25	5	0036	Adrienn	Rokosni	Comfort as a strategic design ingredient to support pro-environmental behaviour in sustainable student accommodations
12	11:30	10	0774	Fan	Wang	Understanding indoor environmental condition and energy consumption and association with health and wellbeing in a care home setting
13	11:40	10	0959	Elena	Barbadilla	A field study in Southwest area of Spain: Thinking of thermal comfort and energy efficiency in existing buildings
14	11:50	10	0578	Sutida	Sattayakorn	Comfort in Patient Room of Healthcare Facilities in Tropical Region: A different requirement between patient and their companion
12:30 - 13:30 Comfort in workplaces						
15	12:30	10	0841	Nyuk Hien	Wong	Indoor Thermal Comfort Assessment of Naturally Ventilated Hawker Centre in Singapore
16	12:40	5	0187	Maryam	Siddiq	an analysis of The Pakistan Project and Lahore, Pakistan
17	12:45	10	0514	Julia	Torrubia-Aznarez	Adaptive occupant Behaviour as a design strategy for well-being working environments
18	12:55	5	0215	Fahad	Alyami	Thermal comfort performance in a high-rise office building in Saudi Arabia
19	13:00	5	0912	Christopher	Lunn	The impact of office indoor environmental quality on conflict over environmental controls
20	13:05	5	1006	Yuta	Fukawa	Field Investigation on Unacceptable Sensation of Thermal Environment in Taiwan Office
21	13:10	10	1363	Ketki	Joshi	Retrofit of "Mangaldas Market" Considering Indoor Environmental Quality
22	13:20	10	1106	Phanchalath	Suriyothin	Thermal comfort in the Holy Rosary Church, Bangkok
13:30 - 14:30 Outdoor comfort						
23	13:30	10	0333	Yara	Ayyad	Outdoor thermal comfort in a hot urban climate: analysing the impact of creating wind passageways in al-Moski, Egypt
24	13:40	5	0359	Julie	Waldron	Variability of human behaviour in outdoor public spaces, associated with the thermal environment
25	13:45	5	0848	Luyao	Xiang	Effects of the Building Layout Typology on PET Value Distribution in Different Local Climate Zone A Case Study in Beijing, China
26	13:50	10	1297	Larissa	Luiz	Urban External Space in Brazilian Modernist Architecture under the focus of Pedestrian Environmental Comfort
27	14:00	10	1417	Nihal	AL Sabbagh	The Impact of the Microclimatic Conditions on Pedestrians Thermal Comfort in Dubai
28	14:10	5	1445	Jens	Christoffersen	The Circadian House as a vision for healthy and human-centric building design
29	14:15	10	0083	Sharmeen	Khan	Strategies to Improve the Thermal & Visual Comfort of the Informal Settlements in India
30	14:25	5	0908	Angeliki	Antoniou	The Residential Balcony in Mediterranean Climates

15:00 - 16:00 Residential comfort

	Chair:			Nicol		Fergus	
31	15:00	10	0628	Michael	Adaji		Indoor Thermal Comfort for Residential Buildings in the Hot-Humid Climate of Nigeria during the dry season
32	15:10	10	0657	Daniel	Herrera		Coping with discomfort at home and its effect on the internal climate. The case of traditional Scottish buildings before and after a retrofit.
33	15:15	10	0833	Mateus Felipe	Santos Silva		Study of Thermal Comfort in Social Interest Housing
34	15:20	5	0858	Hung Thanh	Dang		Influences of building and urban typologies for the study of thermal comfort in shophouse dwellings in Ho Chi Minh City, Vietnam
35	15:30	10	0915	Ryo	Meshino		Influence of thermal insulation performance of housing on lifestyle of residents - Focusing on window performance
36	15:35	5	1352	Kevin Ka-Lun	Lau		Thermal Comfort in Public Housing Estates in High-density Cities under Near-extreme Summer Conditions
37	15:45	5	1196	María del Pilar	Casatejada Gil		Assessing the Impact of Zoning on the Thermal Comfort Analysis of a Naturally Ventilated house During Early Design Considering Closed Internal Doors
38	15:50	10	0287	Saiful Hasan	Tariq		Effect of Plan Layout on Electricity Consumption to maintain Thermal Comfort in Apartments of Dhaka

16:00 - 17:00 Comfort theory

	Chair:			Nicol		Fergus	
39	16:00	5	1624	Runa T.	Hellwig		Perceived importance of indoor environmental factors in different contexts
40	16:10	10	0748	Ermal	Kapedani		Importance of Comfort Indicators in Home Renovations - A Merger of Energy Efficiency and Universal Design
41	16:15	10	1718	Ali	Moradi		Towards Sustainability in Iranian buildings
42	16:20	5	0624	Beatriz	Arantes		context of residential buildings in a humid subtropical climates
43	16:30	5	0106	Worawan	Natephra		Enriching Building Information Modeling with Sensor Data and Thermal Images for Thermal Comfort Analysis
44	16:35	10	0512	Israa	Fardous		Impact of Technology and innovation on adaptation of architectonic tradition for a sustainable future in the Middle East
45	16:45	5	0992	Weitong	Wang		The impact of environmental color on summer thermal comfort in the cold climate zone of China
46	16:50	10	1056	Wolfgang	Kessling		How to Verify a HybriD system Design for adaptive comfort with dynamical simulation tools