

## International Conference for Sustainable Design of the Built Environment 2018- The Crystal, London

Day 1: Wednesday 12th September 2018

08:30	09:15	<i>Registration, upload authors' presentations and coffee- MR 7</i>		
09:15	09:30	<b>Conference welcome- MR 1-3</b>		
Session		<b>Keynote Speakers- MR 1-3</b>		
09:30	09:50	Prof. Phil Jones, Low Carbon Design: Case Studies, Cardiff University		
09:50	10:10	Prof. Ashraf Salama, University of Strathclyde, The Quest for Socio-Cultural Sustainability: Implications for Research and Education		
10:10	10:30	Mr. Paulo Flores, Sustainable Design at ZHA, Zaha Hadid Architects		
10:30	10:50	Panel questions for keynote speakers		
10:50	11:20	room reset - comfort break		
Themes	Building Performance Simulation, Building Performance Evaluation (BPE) & Building Information Modelling (BIM), Thermal Comfort, Health and Wellbeing		Education for Sustainability, Environmental design strategies in practice	Sustainable Urban Design.
Room Number	<b>Meeting Room 3 (MR3)</b>		<b>Meeting Room 2 (MR2)</b>	<b>Meeting Room 1 (MR1)</b>
	11:20	Chair: Phil Jones	Chair: Sean Smith	Chair: Heba Elsharkawy
11:20	11:35	Paper 217 - Modelling progress in energy efficient retrofit in the private rented sector - Timothy Lee	Paper 200 - Maximizing the Effectiveness of Solar Energy System by the Integrated Passive Cooling Strategies of Nizwa Eco-House - Hussein A. Abdulqader, Wael A. Khudhayer, Mohammed F. Al Kazeem, and Atef Abu Salim	Paper 256 - Sustainable Urban Design Patterns in Arid Regions and its Comparison with Modern Patterns: the Case of Riyadh - City - Dr. Ali Alqahtany
11:35	11:50	Paper 260 - The role of Egyptian residential buildings energy code in enhancing sustainable development of Egypt: Evaluation of Nine years of practice - Ahmed Abouaiana and Mahmoud Mohamadin	Paper 209 - A state of the art review of the impact of Vertical Greenery Systems on the energy performance of buildings in temperate climates - Hashem Taher, Heba El-Sharkawy and Darryl Newport	Paper 265 - Contextual Urban design approaches – Sustainable built environments - Anjali Krishan Sharma
11:50	12:05	Paper 86 - Assessing the Thermal Performance of Concrete-based Construction Systems in Hot Climate - Wael Sheta	Paper 42 - Towards an ecological architectural education in Kuwait - Lamis Behbehani and Shahab Al-Bahar	Paper 17 - Outdoor thermal environment in Havana - Dania González Couret, Olivia Sánchez Martínez, Victor Daniel Rodríguez Rodríguez and Manuel Alejandro Salazar Castro
12:05	12:15	Panel Q and A session		Panel Q and A session
12:15	13:00	<i>Lunch and networking- MR7 and Crystal exhibition</i>		
	13:00	Chair: Aurore Julien	Chair: Ashraf Salama	Chair: Germin Elgohary
13:00	13:15	Paper 87 - Pathways to Building Performance Simulation through IFC and gbXML - Paraskevi Karamitrou and Wassim Jabi	Paper 18 - Integrating Energy Performance Assessment Tools in Architectural Design Studio Education - Mahmoud Mohamadin, Ahmed Abouaiana and Yasser Sakr	Paper 274 - Building Urban Resilience in Egypt, The Case Study of Nuweiba in South Sinai - Maha A.Basha
13:15	13:30	Paper 89 - Usability assessment of building performance simulation tools: a pilot study - Stefano Cozza, Raphael Tuor, Andreas Sonderegger, Thomas Jusselme, Denis Lalanne and Marilyne Andersen	Paper 50 - Fit for purpose? Sustainability and the design studio - Robert Grover, Stephen Emmitt and Alex Copping	Paper 261 - Resource Efficiency must Include its Expected Longevity and its Continued and Safe Functionality - Charles Lawrence
13:30	13:45	Paper 266 - Success or Failure? Energy Concept and Post Occupancy Evaluation of a new built Energy-Surplus Day-care Centre for Children - Michaela Hoppe	Paper 64 - Sustainable information and communication technology (ICT) initiatives in UK and Irish Universities and Colleges: Identifying and overcoming the barriers to implementation - Nicola Hogan, Carlos Jimenez-Bescos and Ian Frame	Paper 71 - Setting contextual life-cycle objectives in urban design: requirements for a decision-support method - Emilie Nault, Thomas Jusselme and Marilyne Andersen

13:45	14:00	Paper 113 - Towards generation of holistic renovation scenarios using Multiple Criteria Decision Making – Case of Energy Consumption, Investment Cost, and Indoor Comfort - Aliakbar Kamari, Maria Leonhard Christensen, Stefan Jensen, Steffen Petersen and Poul Henning Kirkegaard	Paper 79 - New Territories: Digital Materiality from Natural systems to Environmental impact - Carla Aramouny	Paper 115 - Social Shifts - Living in Gated Communities: A Case of Andalucía, Jordan - Majd Al-Homoud and Shereen Al Aswad
14:00	14:15	Paper 121 - Sensitivity Analysis for Energy Modelling based on Daylight Simulations - Sahar Abdelwahab, Peter Rutherford, Michael Kent and Sergio Altomonte	Paper 95 - Teaching about Nearly Zero Energy Buildings in the Architecture curriculum in Havana, Cuba - Natalí Collado Baldoquin, Luis Alberto Rueda Guzmán, Dania González Couret and Arnold Janssens	Paper 96 - The Impact of modifications to residential morphologies on the outdoor micro climate in hot dry climate cities - Ali Mohammad Salih Salih and Steven Dudek
14:15	14:30	Paper 9 - A Comparative Simulation of Thermal Performance in High-Rise Structural Timber Buildings - Timothy O. Adekunle, Seth H. Holmes and Marialena Nikolopoulou	Paper 168 - Education for Sustainability: Developing a framework for embedding sustainability in the built environment - Heba Elsharkawy, Jack Clough and Sahar Zahiri	
14:30	15:00	Panel Q and A session		Panel Q and A session
15:15	15:45	Coffee and refreshments served in room 7, please visit the Crystal exhibition if you have time.		
Themes	& Thermal Comfort, Health and Wellbeing		& Environmental design strategies in practice	
15:45	Chair: Sahar Zahiri		Chair: Jack Clough	
15:45	16:00	Paper 99 - Energy Performance Analysis of Large-Scale Public Buildings in China - Sherine S.I. Tsang and Phillip Jones	Paper 119 - Video creation as assessed coursework in sustainability subject areas - Kirk Shanks, David Jenkins, Gillian Menzies and Nicole Kipar	
16:00	16:15	Paper 88 - Field Studies on Thermal Comfort Environment in Building Transitional Space - Jason M.Y. Tse and Philip Jones	Paper 221 - Environmental benefits of using cross-laminated timber with hempcrete insulation in buildings - Anca-Elena Zahan, Sofia Katsarou and Aurore Julien	
16:15	16:30	paper 145 - Sunlight Directing System: The Effect of Surface Topology on Daylighting Performance - Sahar Abdelwahab, Mohammed Mayhoub and Ahmad El Kordy	Paper 230 - Rethinking repetitive housing design typology in hot and humid climate: A case study in Malaysia - Nur Aidilia Parid Wardi and Parid Wardi Sudin	
16:30	16:45	Paper 216 - Supply Chains for Energy Efficient Housing using Mass Customisation: Adopting Japanese housing models in the UK - Pablo Jimenez-Moreno and John Brennan	Paper 33 - Implementation of BIM Technologies in Architectural Engineering Education - Mohamed Faisal Al-Kazee	
16:45	17:00	Paper 129 - Compartive study of energy consumption optimization for educational buildings in Jordan - Tala Awadallah and Omaimah Al-Arja	Paper 6 - The Energy Savings Assessment of an Integrated Solar Shading System for Typical Office Spaces in southern Europe - Antigoni Ioannou and Aimilios Michael	
17:00	17:15	Panel Q and A session		Panel Q and A session
17:15	17:30	Day 1 - Closing session		

## International Conference for Sustainable Design of the Built Environment 2018- The Crystal, London

Day 2: Thursday 13th September 2018

08:45	09:25	<i>Registration, upload authors' presentations and coffee- MR 7</i>		
09:25	09:30	<b>Conference welcome- MR 1-3</b>		
Session		<b>Keynote Speakers- MR 1-3</b>		
09:30	09:50	Prof. Sean Smith, Edinburgh Napier University, Future of Global Housing: Demand, Innovation and Sustainability		
09:50	10:10	Mina Hasman, SOM, Eroding the Boundaries of Innovation		
10:10	10:30	Mr. Mark Jenkinson, Siemens, Creating Perfect Places		
10:30	10:50	Panel questions for keynote speakers		
10:50	11:00	room reset, comfort break		
Themes	<b>Building Performance Simulation, Building Performance Evaluation (BPE) &amp; Building Information Modelling (BIM)</b>		<b>Sustainable construction technologies, Resource efficiency &amp; Renewable energy and green technologies</b>	<b>Sustainable Urban Design</b>
Room Number	<b>Meeting Room 3 (MR 3)</b>		<b>Meeting Room 2 (MR2)</b>	<b>Meeting Room 1 (MR1)</b>
11:00	Chair: Aurore Julien		Chair: Sean Smith	Chair: Mihaela Anca Ciupala
11:00	11:15	Paper 29 - Assessing Energy use and Overheating risk for Retrofitting A Residential Tower Block Prototype in Northern Cyprus - Bertug Ozarisory & Heba Elsharkawy	Paper 56 - Compressive Strength of Interlocking Compressed Soil Blocks Produced Using Soil and Production Water from Oil Fields in Oman - Khalifa Al-Jabri, Abdul Wahid Hago and Mahad Baawain	Paper 120 - Sustainable redesign of existing buildings in Greece: The case of existing, typical residences - Eleni Alexandrou, Flora Bougiatioti and Miltiadis Katsaros
11:15	11:30	Paper 218 - Optimised external and internal constructions in buildings in hot and dry climates to support thermal comfort without air conditioning - Udo Dietrich and Gionatan Vignola	Paper 72 - Biological modeling as a tool for promoting sustainable construction technologies and improving the energy efficiency - Nouran M.Ibrahim and Hosam Abd El Aziz	Paper 142- Walkability as an Urban Indicator for a Sustainable Built Environment - Eda Paykoç
11:30	11:45	Paper 206 - Climate Change Impact on Energy consumption and Thermal performance in low-income houses in Brazilian Savanna - Stefany Hoffmann Martins Jorge, Emeli Lalesca Aparecida Da Guarda, Luciane Cleonice Durante, Ivan Julio Apolonio Callejas, Raquel Naves Blumenschein and Karyna De Andrade Carvalho Rosseti	Paper 212 - Socially Innovative Frameworks for socio-economic resilience in Urban Design - Donagh Horgan and Branka Dimitrijevic	Paper 147 - Reconsidering the Design of Urban Communities in the Hot Arid Regions of the Middle East: The Search for More Relevant and Sustainable Urban Guidelines - Mamdouh Sakr
11:45	12:00	Panel Q and A session		Panel Q and A session
12:00	12:45	<i>Lunch and networking MR7 and Crystal exhibition</i>		
12:45	Chair: Rajat Gupta		Chair: Steve Sharples - Sahar Zahiri	Chair: Rowaida Rashed
12:45	13:00	Paper 144 - Investigating resident experiences of a sustainable social housing development in the composite climate of Delhi - Rajat Gupta, Sanjoli Tuteja, Zeenat Niazi, Pratibha Ruth Caleb, Sanjay Seth and Megha Behal	Paper 179 - Housing Affordability and Contemporary Construction Systems in Egypt: Simulating the Influence of Insulated Concrete Forms - Amr Auf and Momen El-Husseiny	Paper 164 - The Interrelationship Between Urban Mobility, and Urban Form - Muhammad Hossam El-Din and Ayman Wanas
13:00	13:15	Paper 273 - A Study on the Application of Thermal Insulation Techniques under a Mild Mediterranean Climate - Aghasarkissian Nare, Bassil Nathalie, Bdeir Ahmad, Matta Anabelle, Slim Judy, Hiam Khoury and Ghassan Chehab	Paper 117 - Bake out the volatile organic compounds for residential building - pre occupancy in summer at Egypt - Tarek Kamel, Moemen Afify and Ayman Mahmoud	Paper 172 - Impact of Urban morphology on microclimate in hot dry arid cities: A study in Cairo, Egypt - Mohamed Radwan and Ayman Wanas
13:15	13:30	Paper 149 - Upgrading the Energy Performance of Middle-Class Suburban Residential Buildings in the Gulf Region - Alexander Kader	Paper 247 - Development of tools for the proper prediction of urban cooling potential associated with the implementation of cool and green roofs. Application to a case study - Juan Emiliano Flores Asin, Noelia Liliana Alchapar, Julieta Balter, Erica Norma Correa and María Alicia Cantón	Paper 192 - Simulation Study on the Environmental Sustainability of Traditional Blocks in Xi'an City- Ma Dixuan, Wang Yupeng, Zhou Dian and Zhu Zongzhou

13:30	13:45	<b>Panel Q and A session</b>		<b>Panel Q and A session</b>		<b>Panel Q and A session</b>	
13:45	14:00	Paper 270 - Assessment of Thermal Behaviour and Energy Consumption of Small Mosques in Hot-arid Climate of Najran City, KSA - Nedhal Al-Tamimi and Abdultawab Qahtan		Paper 137 - Can structures be created from their site? - Lizzie Wynn		Paper 196 - Comprehensive Evaluation of Spatial Texture in Historic District: The Case of Sanxue Street Historic District - Ye Lou and Dian Zhou	
14:00	14:15	Paper 272 - Investigating the Impact of Renewing Floor Coverings on the Energy Performance of Dwellings with Suspended Timber Floors, Tested under Controlled Conditions - Alex Marshall, Richard Fitton, Mo Benjaber and Will Swan		Paper 242 - Are P3s Sustainable? A study of facility resource use effectiveness at a Canadian healthcare corporation - Alexander White		Paper 198 - Public reclamation of bridges, The Cairo case - Heba Serag, Manal Abou El-Ela and Mona Abdelwahab	
14:15	14:30	Paper 131 - Building Information Modelling (BIM) application in relation to embodied energy and carbon (EEC) considerations during design: A practitioner perspective - Amalia Banteli, Vicki E. Stevenson and Gabriela Zapata-Lancaster		Paper 30 - Monitoring in the built environment: A dynamic tool to optimise renewable energy use and energy efficiency at a community scale - Miltiadis Ionas		Paper 53 - Power, Transport Strategy and the Environment: An analysis of the environmental discourse surrounding a proposal to develop a new park-and-ride facility in Bath - Elizabeth Warren	
14:30	14:45	Paper 146 - Numerical Investigation of Geometrical Design for Transpired Solar Collector Performance - Maitiniyazi Bake, Ashish Shukla and Shuli Liu		Paper 201 - A design-based framework for preventing accidents to workers in Indian construction workplace - Vigneshkumar C and Urmi Salve Ravindra		Paper 239 - Urban Social Sustainability in the Era of Digital Technology: the case of NEOM, the World's Future Global Hub across Three Countries - Rowaida Rashed and Randa A. Mahmoud	
14:45	15:15	<b>Panel Q and A session</b>		<b>Panel Q and A session</b>		<b>Panel Q and A session</b>	
15:15	15:45	<i>Coffee and refreshments served in room 7</i>					
Themes	<b>&amp; Thermal Comfort, Health and Wellbeing</b>		<b>&amp; Environmental design strategies in practice</b>		<b>&amp; Energy Efficiency in buildings</b>		
15:45	Chair: Carlos Jimenez Bescos		Chair: Aikaterini Chatzivasileiadi		Chair: Aimilios Michael		
15:45	16:00	Paper 7 - Thermal comfort conditions and air quality in educational buildings in Cyprus during the heating period: the impact of natural ventilation - Chryso Heracleous and Aimilios Michael		Paper 259 - Assessing the value of environmental analysis tools in a performance driven design studio - Nouran El Begery and Khaled Aly Tarabieh		Paper 132 - Evaluating how Ireland has improved Building Regulations Compliance and Energy Efficiency - Eymard Ahern, Carlos Jimenez Bescos and Api Desai	
16:00	16:15	paper 40 - Retrofitting improved environmental performance in refugee housing in Jerash Refugee Camp Jordan - Tala Mari and Steve Sharples		Paper 102 - The choice and architectural requirements of battery storage technologies in residential buildings - Aikaterini Chatzivasileiadi, Eleni Ampatzi and Ian Knight		Paper 32 - Sustainable Vertical Urbanism as a design approach to change the future of hyper density cities - Ahmed Abdelsalam, David Nicholson-Cole and Khaled Dewidar	
16:15	16:30	Paper 235- Thermal Comfort, Energy and Economic Savings with the Use of SIRASOL in Houses of the West Center of the Argentine Republic- M. Mercado, Alfredo Esteves and C. Filippin		Paper 22 - Implementing Selected Passive Cooling Designs on the Housing Typologies in Fujairah Emirates - Nawal Alhanaee and Hanan Taleb		Paper 19 - A comparative analysis of thermal performance of building envelope types over time - Aram Yerezian, Yaser Abunnasr, Zahraa Makki and Betina Abi Habib	
16:30	16:45	Paper 241 - Typological Analysis of Residence's Implantations at Siqueira Campos Neighbourhood - Carla Fernanda Barbosa Teixeira, Felipe Santos Almeida and Lucas Alves Cerqueira de Souza		Paper 182 - The Applicability of Different Kinetic Facade Shading Systems in UAE - Amal Alghifari		Paper 70 - Energy efficient prefabricated housing units: Product review and the development of a Cypriot paradigm - Andreas Savvides, Aimilios Michael, Constantinos Vassiliades, Alkistis Kartsiou, Chryso Heracleous, Maria Xenophontos, Vasilis Ierides, Nikos Gianni and Christodoulos Maimaris	
16:45	17:00	Paper 67 - Are dispositional mindfulness traits effective in sustaining pro-environmental behaviour? - Stuart Anderson and Ruth Stevenson		paper 25 - The Usage of Green Building Materials and Technology Used in Vernacular Styled Buildings Provides a Way to Sustainable Future - Anjali Dangwal		Paper 85 - The Investigation of Scheduled Evaporative Cooling for a Sustainable House Model in Riyadh - Omer Eltahir, Ismail Budaiwi and Adel Abdou	
17:00	17:15			Paper 38 - A framework for determining the most effective parameters for optimal life cycle analysis in the early stages of building design - Toktam Bashirzadeh		Paper 75 - Comparative analysis of Day lighting Performance for single Vs. Double Skin Facade Office Building for hybrid Ventilation. A Simulation by design builder software - Hosam Abd El-Aziz Amr and Ayah Mohammed	
17:15	17:45	<b>Panel Q and A session</b>		<b>Panel Q and A session</b>		<b>Panel Q and A session</b>	
17:45	18:00	<b>Day 2 - Closing session</b>					