09:30 – 10:00 Opening 10:00 – 11:15 KEYNOTE by <b>Anna Dyson</b>	Conference Day One 12July 2017	08:30 – 9:30 Registration 09:30 – 10:45 KEYNOTE by <b>Martin Tamke</b> Complex Modelling 10:45 – 11:00 Coffee Break	Conference Day Two 13July 2017	08:30 – 9:30: Registration 09:30 – 10:45 KEYNOTE by <b>Christoph Hölscher</b> Human behavior and cognition of architectural space – assessing psychol 10:45 – 11:00 <b>Coffee Break</b>	Conference Day Three 14July 2017  logical building performance
Session 1 SHAPE STUDIES I	Session 2 ANALYZING and MODELLING URBAN ENVIRONMENTS I	Session 7 FABRICATION AND MATERIALITY	Session 8 DECISION SUPPORT SYSTEMS IN COMPUTER HUMAN INTERACTIONS II	Session 13 GENERATIVE DESIGN SYSTEMS	Session 14 BUILDING PERFORMANCE STUDIES II
11:30-12:45 lestyn Jowers, Chris Earl and George Stiny. Shape Computations without Compositions Krishnendra Shekhawat and Jose Duarte. Rectilinear Floor Plans Rizal Muslimin. Weaving, Folding and the Tension between them: A discourse on a structural ideation method Alexandros Tsamis. The Marching Shape: Extensions to the ice-ray shape grammar	An Experimental Methodology for Urban Morphology Analysis Kian Wee Chen, Patrick Janssen and Leslie Norford. Automatic Parameterisation of Semantic 3D City Models for Urban Design Optimisation Rui De Klerk and José Nuno Beirão. CIM-St: A Parametric Design System for Street Cross Sections Sarah Louise Jenney and Frank Petzold. Question of Perspective: Information visualisation in games and its possible application in planning communication	11:00-12:30 Elif Erdine, Alexandros Kallegias, Angel Fernando Lara Moreira, Pradeep Devadass and Alican Sungur.  Robot-Aided Fabrication of Interwoven Reinforced Concrete Structures  Özgüç Bertuğ Çapunaman, Cemal Koray Bingöl and Benay Gürsoy.  Computing Stitches and Crocheting Geometry  Rachel Dickey.  Soft Computing in Design: Developing automation strategies from material indeterminacies  Paloma Gonzalez and Lawrence Sass.  Constructive Design: Rule discovery for 3D pr. decomposed large obj.  Sergio Araya, Felipe Veliz, Sylvana Quest and Ricardo Trufello.  Igneous Tectonic: Turning disaster into resource through dig. fabricat.	11:00-12:30 Serdar Aydin, Marc Aurel Schnabel and Iman Sayah. Association Rule Mining to Assess User-Generated Content in Digital Heritage: Participatory Content Making in 'The Museum of Gamers' Naghmi Shireen, Halil Erhan, Robert Woodbury and Ivy Wang. Making Sense of Design Space: What designers do with large numbers of alternatives? Elif Sezen Yağmur Kilimci and Leman Figen Gül. Designing as a Team by Utilizing Analogue Media versus a Compt. Tool for Parametric Modeling Lessons Learnt from a Study in an Edu. Marilena Sorrou and Mark Meagher. Flat Form: A software design for capturing the contribution of personality and ordinary activities in early design Halil Erhan and Naghmi Shireen. Juxtaposed Des. Models: A method for parallel explor. in param. CAD	11:00-12:30 David Jason Gerber, Evangelos Pantazis and Alan Wang. Interactive Design of Shell Structures Using Multi Agent Systems: Design exploration of reciprocal frames based on environmental and structural performance Abel Groenewolt. Stair Design Using Quantified Smoothness Manuel Muehlbauer, Andy Song and Jane Burry. Towards Intelligent Control in Generative Design Theodoros Dounas, Benjamin Spaeth, Hao Wu and Chenke Zhang. Dense Urban Typologies and the Game of Life: Evolving cellular automata Judyta Cichocka, Agata Migalska, Will N. Browne and Ed. Rodriguez. SILVEREYE: The implementation of Particle Swarm Optimization algorithm in a design optimization tool.	Hülya Oral and Gülen Çağdaş. Body Patterning: A model for responsive and interactive building envelope Francesco De Luca and Hendrik Voll. Solar Collection Multi-isosurface Method: Computational design adv. method for the prediction of direct solar access in urban environm.  Ji Won Jun, Matteo Silverio, Josep Alcover Llubia, Areti Markopoulou, Angelos Chronis and Alexandre Dubor. Remembrane: A shape changing adaptive structure  Sarah Mokhtar, Christopher Leung and Angelos Chronis. Neighbourhood Shading Impacts on Adaptive Façade Collect. Behaviour Orkan Zeynel Güzelci. Investigating the Role of Entropy in Design Evaluation Process: A case study on municipality buildings
12:45 – 14:00 Lunch Break		12:30 – 14:00 Lunch Break	12:30 – 14:00 Lunch Break	12:30 – 14:00 Lunch Break	12:30 – 14:00 Lunch Break
Session 3 BUILDING PERFORMANCE STUDIES I	Session 4 DESIGN GEOMETRY AND FORM STUDIES	Session 9 PARAMETRIC TOOLS AND MODELS FOR DESIGN	Session 10 PEDAGOGICAL APPROACHES TO CAAD	Session 15 URBAN DESIGN II	Session 16 RETHINKING DESIGN IN DIGITAL CONTEXT
14:00-15:15 Pantea Alambeigi, Canhui Chen, Jane Burry and Eva Cheng. Shaping Design with Sound Performance Prediction: A case study for exploring the impact of early sound perform. prediction on arch. des.  Sebastian Dietrich, Sven Schneider and Dimitry Demin. RhinoRstab: Introducing and testing a new structural analysis plugin for Grasshopper3D  Elif Ensari, Bilge Kobaş and Can Sucuoglu. Comp. Decision Support for an Airport Complex Roof Design: A case study of evolutionary optimization for daylight provision and overheating prevention  Dagmar Reinhardt, Densil Cabrera and Matthew Hunter. A Mathematical Model Linking Form and Material for Sound Scattering: Design, robotic fabrication, and evaluation of sound scattering discs: relating surface form to acoustic performance	14:00-15:15 Filipa Osorio, Alexandra Paio and Sancho Oliveira.  Kinetic Origami Surfaces: From simulation to fabrication  Asli Agirbas.  Teaching Design by Coding in Architecture Undergraduate Education: A case study with Islamic patterns  Chao Yan and Philip F. Yuan.  Spherical Perspective: Notational drawing system for non-euclidean geometry  Saeid Zarrinmehr, Ergun Akleman, Mahmood Ettehad, Negar Kalantar, Alireza Borhani and Shinjiro Sueda.  Kerfing with Generalized 2D Meander-Patterns: Conversion of planar rigid panels into locally-flexible panels with stiffness control	14:00-15:15 Adeline Stals, Elsen Catherine and Sylvie Jancart.  Practical Trajectories of Parametric Tools in Small and Medium Architectural Firms  Mallika Arora, Sergio Pineda, P. Andrew Williams, Kenneth D.M. Harris and Benson M. Kariuki.  Polymorphic Adaptation  Sinisa Kolaric, Halil Erhan and Robert Woodbury.  CAMBRIA: Interacting with multiple CAD alternatives  Serkan Kocabay and Sema Alaçam.  Algorithm Driven Design: Comparison of single-objective and multi-objective genetic algorithms in the context of housing design	14:00-15:15 Julie Milovanovic, Guillaume Moreau, Daniel Siret and Francis Miguet.  Virtual and Augmented Reality in Architectural Design and Education:  An immersive multimodal platform to support architectural pedagogy  Guzden Varinlioglu, Lale Basarir, Ozgur Genca, and Zeynep Vaizoglu.  Challenges in Raising Digital Awareness in Architectural Curriculum  Dina El-Zanfaly and Sherif Abdelmohsen.  Imitation in Action: A pedagogical approach for making kinetic structures  Desantila Hysa and Mine Özkar.  Meno in the Studio: Design computation in a pedagogical dialogue	14:00-15:00 Kian Wee Chen, Patrick Janssen and Leslie Norford.  Auto. Gen. of Semantic 3D City Models from Conceptual Massing Models  Reinhard Koenig, Yufan Miao, Katja Knecht, Peter Buš and Chang-Mei-Chih.  Interactive Urban Synthesis: Computational methods for fast prototyping of urban design proposals  Nai Chun Chen, Yan Zhang, Marissa Stephens, Takehiko Nagakura and Kent Larson.  Urban Data Mining with Natural Language Processing: Social media as complementary tool for urban decision making  15:00 - 15:30 General Assembly - Closing	<ul> <li>14:00-15:00 Duygu Tüntaş Karaman.         Models of Subjectivity and Intentionality in Computational Architecture:         From centralized to distributed approach         Hayri Dortdivanlioglu and Athanassios Economou.         Outlining Terragni: A riddle reworked         Joao Rocha.         Design and Architecture for the Dawn of the Personal Computer.         The pioneer vision of Adriano Olivetti</li> <li>15:00 - 15:30 General Assembly - Closing</li> <li>17:00- 18.30 Bosphorus Boat Tour</li> </ul>
Session 5 BUILDING INFORMATION MODELLING	Session 6 DECISION SUPPORT SYSTEMS AND HUMAN COMPUTER INTERACTIONS I	Session 11 SHAPE STUDIES II	Session 12 AUGMENTED AND VIRTUAL REALITY ENVIRONMENT STUDIES		
15:30-16:45 Yi He, Marc Aurel Schnabel, Rong Chen and Ning Wang. A Comprehensive Application of BIM Modelling for Semi-underground Public Architecture: A study for Tiantian Square Complex, Wuhan, China  J. Lima Da Silva, Andréa Quadrado Mussi, Lauro André Ribeiro. Plugins State of Art in BIM Software: Repositories assessment and professional use perspective Francesco Livio Rossini, Gabriele Novembri and Antonio Fioravanti. AS&BIM – A unified model of agent swarm and BIM to manage the complexity of the building process Ömer Halil Çavuşoğlu and Gülen Çağdaş. Why Do We Need Building Information Modeling (BIM) in Conceptual Design Phase?	15:30-16:45 Gabriela Barber, Marcos Lafluf, Pablo Accuosto and Fernando García Amen. Interactive Projection Mapping in Heritage: The Anglo case  Eonyong Kim, Kibum Kim, Seungyeon Choo and Jikeun Ryu. Rule-based Security Planning System for Practical Application  Salih Ofluoglu. BIM-based Interdisciplinary Collaborations in a Student Project Competition  Julia Tschetwertak, Sven Schneider, Alexander Hollberg, Dirk Donath and Jürgen Ruth. A Matter of Sequence: Investigating the impact of the order of design decisions in multi-stage design processes	15:30-16:45 Onur Yüce Gün. Computing with Watercolor Shapes: Developing and analyzing visual styles Vernelle A. A. Noel. From Costuming and Dancing Sculptures to Architecture: The corporeal and computational in design and fabrication of lightweight mobile structures Rizal Muslimin. EthnoComputation: An inductive shape grammar on Toraja Glyph Diego Pinochet. Discrete Heuristics: Digital Design and Fabrication Through Shapes and Material Computation	15:30-16:45 Ikhwan Kim, Injung Lee and Ji-Hyun Lee. The expansion of virtual landscape in digital games: classification of virtual landscapes through five principles  Tomohiro Fukuda, Hideki Nada, Haruo Adachi, Shunta Shimizu, Chikako Takei, Yusuke Sato, Nobuyoshi Yabuki and Motamedi Ali. Integration of a Structure from Motion into Virtual and Augmented Reality for Architectural and Urban Simulation: Demonstrated in real architectural and urban projects  Leman Figen Gül, Can Uzun and Müge Halici. Studying Co-design: How place and representation would change the co-design behavior? Yuqiang Ben, Chantelle Niblock and Lukasz Bonenberg. Lincoln Cathedral Interactive Virtual Reality Exhibition		
10.00 Cookum Furty					

08:30 – 9:30 Registration