08:30 – 9:30 Registration 09:30 – 10:00 Opening Session Hall 109		Conference Day One	
	KEYNOTE Hall 109		12 July 2017
10:00 - 11:15	Built Ecologies Anna Dyson & Ahu Aydogan Akseli		
11:15 - 11:30 Coffee Break	Approximately and the second of the second o		
11:30 - 12:45	Session 1a – SHAPE STUDIES I Hall 109 <i>Chair: Mine Özkar</i>	11:30 - 12:45	Session 1b - ANALYZING and MODELLING URBAN ENV. I Hall 127 Chair: Bauke de Vries
Shape Computations without Compositions lestyn Jowers, Chris Earl and George Stiny Rectilinear Floor Plans Krishnendra Shekhawat and Jose Duarte Weaving, Folding and the Tension Between Them: A Discourse on a Structural Ideation Method Rizal Muslimin The Marching Shape: Extensions to the Ice-Ray Shape Grammar Alexandros Tsamis 12:45 – 14:00 Lunch Break		Anetta Kepczyns Automatic Param Kian Wee Chen, F CIM-St: A Parame Rui De Klerk and Question of Persi Application in Pla	
14:00 - 15:15	Session 2a – BUILDING PERFORMANCE STUDIES I Hall 109 Chair: Salih Ofluoğlu	14:00 - 15:15	Session 2b – DESIGN GEOMETRY AND FORM STUDIES Hall 127 Chair: Benay Gürsoy
Impact of Early Sound Performance Prediction on Architectural Design Pantea Alambeigi, Canhui Chen, Jane Burry and Eva Cheng RhinoRstab: Introd. and Testing a New Structural Analysis Plugin for Grasshopper3D Sebastian Dietrich, Sven Schneider and Dimitry Demin Computational Decision Support for an Airport Complex Roof Design: A Case Study of Evolutionary Optimization for Daylight Provision and Overheating Prevention Elif Ensari, Bilge Kobaş and Can Sucuoglu 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 Dagmar Reinhardt, Densil Cabrera and Matthew Hunter		Teaching Design with Islamic Patto Asli Agirbas Spherical Perspec Chao Yan and Ph Kerfing with Gen into Locally-Flexi	ctive: Notational Drawing System for Non-Euclidean Geometry
15:15 - 15:30 Coffee Break	(15:15 - 15:30 Cof	fee Break
15:30 - 16:45 Ses	ssion 3a – BUILDING INFORMATION MODELLING Hall 109 Chair: Halil Erhan	15:30 - 16:45	Session 3b – DECISION SUPPORT SYSTEMS AND HCI I Hall 127 Chair: Birgül Çolakoğlu
Architecture: A Study for Yi He, Marc Aurel Schnabe Plugins State of Art in BIM Perspective J. Lima Da Silva, Andréa Qua AS&BIM – A Unified Model the Building Process	cation of BIM Modelling for Semi-Underground Public for Tiantian Square Complex, Wuhan, China el, Rong Chen and Ning Wang Software: Repositories Assessment and Professional Use adrado Mussi, Lauro André Ribeiro of Agent Swarm and BIM to Manage the Complexity of oriele Novembri and Antonio Fioravanti	Gabriela Barber, Rule-based Secul Eonyong Kim, Kil BIM-based Interd Salih Ofluoglu A Matter of Sequ Multi-Stage Desig	ction Mapping in Heritage: The Anglo Case Marcos Lafluf, Pablo Accuosto and Fernando García Amen rity Planning System for Practical Application bum Kim, Seungyeon Choo and Jikeun Ryu lisciplinary Collaborations in a Student Project Competition ence: Investigating the Impact of the Order of Design Decisions in gn Processes ak, Sven Schneider, Alexander Hollberg, Dirk Donath and Jürgen Ruth
	Information Modeling (BIM) in Conceptual Design Phase?		

09:00 – 10:00 Registration		Conference Day Two	
10:00 - 11:15	KEYNOTE Hall 109 Complex Modelling Martin Tamke	13 July 2017	
11:15 - 11:30 Coffee Br	eak		
11:30 - 13:00	Session 4a – FABRICATION AND MATERIALITY Hall 109 Chair: Ethem Gürer	11:30 - 13:00 Session 4b – DECISION SUPPORT SYSTEMS AND HCI II Hall 127 Chair: Dagmar Reinhardt	
Elif Erdine, Alexandros Ka Alican Sungur Computing Stitches and Özgüç Bertuğ Çapunama Soft Computing in Desi Rachel Dickey Constructive Design: Ru Paloma Gonzalez and La Igneous Tectonic: Turni	an, Cemal Koray Bingöl and Benay Gürsoy gn: Developing Automation Strat. from Mat. Indeterminacies ale discovery for 3D Printed Decomposed Large Objects	Association Rule Mining to Assess User-Generated Content in Digital Heritage: Participatory Content Making in 'The Museum of Gamers' Serdar Aydin, Marc Aurel Schnabel and Iman Sayah Making Sense of Des. Space: What Designers Do with Large Numbers of Alternatives? Naghmi Shireen, Halil Erhan, Robert Woodbury and Ivy Wang Designing as a Team by Utilizing Analogue Media versus a Computational Tool for Parametric Modeling Lessons Learnt from a Study in an Educational Setting Elif Sezen Yağmur Kilimci and Leman Figen Gül Flat Form: A Software Design for Capturing the Contribution of Personality and Ordinary Activities in Early Design Marilena Sorrou and Mark Meagher Juxtaposed Design Models: A Method for Parallel Exploration in Parametric CAD Halil Erhan and Naghmi Shireen	
13:00 – 14:00 Lunch Bro	eak	13:00 – 14:00 Lunch Break	
14:00 - 15:15	Session 5a – PARAMETRIC TOOLS AND MODELS Hall 109 Chair: Rizal Muslimin	14:00 - 15:15 Session 5b – PEDAGOGICAL APPROACHES TO CAAD Hall 127 Chair: Joao Rocha	
Adeline Stals, Elsen Cath Polymorphic Adaptation Mallika Arora, Sergio Pin CAMBRIA: Interacting w Sinisa Kolaric, Halil Erhar Algorithm Driven Desig	n leda, P. Andrew Williams, Kenneth D.M. Harris and Benson M. Kariuki with Multiple CAD Alternatives on and Robert Woodbury on: Comparison of Single-Objective and Multi-Objective he Context of Housing Design	Virtual and Augmented Reality in Architectural Design and Education: An Immersive Multimodal Platform to Support Architectural Pedagogy Julie Milovanovic, Guillaume Moreau, Daniel Siret and Francis Miguet Challenges in Raising Digital Awareness in Architectural Curriculum Güzden Varinlioğlu, Lale Başarır, Özgur Genca, and Zeynep Vaizoğlu Imitation in Action: A Pedagogical Approach for Making Kinetic Structures Dina El-Zanfaly and Sherif Abdelmohsen Meno in the Studio: Design Computation in a Pedagogical Dialogue Desantila Hysa and Mine Özkar	
15:15 - 15:30 Coffee Bre		15:15 – 15:30 Coffee Break	
15:30 - 16:45	Session 6a – SHAPE STUDIES II Hall 109 Chair: Alexandros Tsamis	15:30 - 16:45 Session 6b – AUGMENTED AND VIRTUAL REALITY ENV. ST. Hall 127 Chair: Güzden Varinlioğlu	
Onur Yüce Gün From Costuming and Di Computational in Desig Vernelle A. A. Noel EthnoComputation: An Rizal Muslimin Discrete Heuristics Diego Pinochet	color Shapes: Developing and Analyzing Visual Styles ancing Sculptures to Architecture: The Corporeal and In and Fabrication of Lightweight Mobile Structures Inductive Shape Grammar on Toraja Glyph	The Expansion of Virtual Landscape in Digital Games: Classification of Virtual Landscapes Through Five Principles Ikhwan Kim, Injung Lee and Ji-Hyun Lee Integration of a Structure from Motion into Virtual and Augmented Reality for Architectural and Urban Simulation: Demonstrated in Real Architectural and Urban Projects Tomohiro Fukuda, Hideki Nada, Haruo Adachi, Shunta Shimizu, Chikako Takei, Yusuke Sato, Nobuyoshi Yabuki and Motamedi Ali Studying Co-design: How Place and Representation Would Change the Co-design Behavior? Leman Figen Gül, Can Uzun and Müge Halici	
19:00 Conference Dinn	er	19:00 Conference Dinner	

09:00 – 10:00 Regist 10:00 - 11:15 assessir	ration KEYNOTE Hal Human behavior and cognition of architectural space – ng psychological building performance Christoph Hölscher	Conference Day Three 14 July 2017
11:15 – 11:30 Coffee	Break Session 7a – GENERATIVE DESIGN SYSTEMS Hal	Session 7b – BUILDING PERFORMANCE STUDIES II Hall 127
of Reciprocal Frame David Jason Gerber, Stair Design Using C Abel Groenewolt Towards Intelligent Manuel Muehlbauer, Dense Urban Typolo Theodoros Dounas, SILVEREYE: The Impl Design Optimization	f Shell Structures Using Multi Agent Systems: Design Explora is Based on Environmental and Structural Performance Evangelos Pantazis and Alan Wang Quantified Smoothness Control in Generative Design Andy Song and Jane Burry orgies and the Game of Life: Evolving Cellular Automata Benjamin Spaeth, Hao Wu and Chenke Zhang ementation of Particle Swarm Optimization Algorithm in a	Chair: Leman Figen Gül
13:00 – 14:00 Lunch	ession 8a – ANALYZING and MODELLING URBAN ENV. II Hal	13:00 – 14:00 Lunch Break 1109 14:00 - 15:00 Session 8b – RETHINKING DESIGN IN DIGITAL CONTEXT Hall 127 Chair: Onur Yüce Gün
Automatic Generation of Semantic 3D City Models from Conceptual Massing Models Kian Wee Chen, Patrick Janssen and Leslie Norford Interactive Urban Synthesis: Computational Methods for Fast Prototyping of Urban Design Proposals Reinhard Koenig, Yufan Miao, Katja Knecht, Peter Buš and Chang-Mei-Chih Urban Data Mining with Natural Language Processing: Social Media as Complementary Tool for Urban Decision Making Nai Chun Chen, Yan Zhang, Marissa Stephens, Takehiko Nagakura and Kent Larson		dels Models of Subjectivity and Intentionality in Computational Architecture: From
Design Proposals Reinhard Koenig, Yui Urban Data Mining v Tool for Urban Decis	rnthesis: Computational Methods for Fast Prototyping of Urba fan Miao, Katja Knecht, Peter Buš and Chang-Mei-Chih vith Natural Language Processing: Social Media as Complemen ion Making	OUTLINING TERRAGNI: Calculating the Danteum's and Mambretti Tomb's Form and Meaning