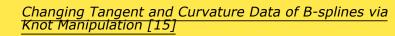
# 10:20 - 11:20

	A1, Room 16	Shape Grammar
	chair:	Andre Chaszar
	1.	Shun Watanabe
		Minka, Machiya, and Gassho-Zukuri Procedural Generation of Japanese Traditional Houses [14]
	2.	Ricardo Massena Gago
		Architectural Design Through Growth Geometrical Principles of Biological Structures [42]
	3.	László Strommer
		3D Shape Grammar of Polyhedral Spires [72]
	A2, Room 17	Smart Cities
	chair:	Pia Fricker
	1.	Matthias Kulcke
		Connecting Online-Configurators (Including 3D Representations) with CAD-Systems Small Scale Solutions for SMEs in the Design-Product and Building Sector [60]
	2.	Sabine Ritter De Paris, Carlos Nuno Lacerda Lopes
		Enhancing Housing Flexibility Through Collaboration [59]
	3.	Szabolcs Kari
		BIM to GIS and GIS to BIM [45]
		Modeling with Scripting
	chair:	Francesco De Luca
	1.	Helen Lam Wai-yin, Vito Bertin
		De-Script-ion: Individuality / Uniformity [82]
	2.	Bálint Péter Füzes, Dezső Hegyi PhD
		Parametric Details of Membrane Constructions [47]
	3.	Yan Gao
		Intelligent Making and Robotic Structure in Architectural Design Research [24]
11:2	0 - 11:40	Coffee break
11:40 - 13:00		
	B1, Room 16	BIM
	chair:	Alex Quintus
	1.	Michio Matsubayashi, Shun Watanabe
		Forecasting Time between Problems of Building
		Components by Using BIM [37]
	2.	Ingolf Sundfør, Harald Selvær
		Bim as a Transformer of Processes [90]
	3.	Lei Xu
		Integration of Facility Management System and Building Information Modeling [50]
		Integration of Facility Management System and Building
		Integration of Facility Management System and Building Information Modeling [50]
	4.	Integration of Facility Management System and Building Information Modeling [50] Pedro Santiago Bim technology as teaching tool for sustainable
	4. B2, Room 17	Integration of Facility Management System and Building Information Modeling [50] Pedro Santiago Bim technology as teaching tool for sustainable <u>construction [22]</u>
	4. B2, Room 17 chair:	Integration of Facility Management System and Building Information Modeling [50] Pedro Santiago Bim technology as teaching tool for sustainable construction [22] Smoth Transition
	4. B2, Room 17 chair:	Integration of Facility Management System and Building Information Modeling [50] Pedro Santiago Bim technology as teaching tool for sustainable construction [22] Smoth Transition Emil Molnár
	4. B2, Room 17 chair: 1.	Integration of Facility Management System and Building Information Modeling [50] Pedro Santiago Bim technology as teaching tool for sustainable construction [22] Smoth Transition Emil Molnár Mohammed Mustafa Ezzat A General Theory for Finding the Lightest Manmade



3. Rodrigo Makert, Gilfranco Alves

Between Designer and Design: Parametric Design and Prototyping Considerations on Gaudí's Sagrada Família [74]

## B3, Room 18 Media Supported Teaching

chair: Martijn Stellingwerf

1. Pia Fricker

Developing New Computational Methodologies for Data Integrated Design for Landscape Architecture [68]

2. Kateřina Nováková

Ambient PET(b)ar [77]

3. Verónica Paola Rossado Espinoza

## The importance of connectivism in architectural design learning: developing creative thinking. [70]

4. Lidija Pletenac

Geometric Modelling and Reconstruction of Surfaces [71]

## 13:00 - 14:00 Lunch break

# 14:00 - 15:20

C1, Room 16 Collaborative design | Simulation chair: Gabriel Würzer 1. Andrei Smolik Responsive interaction in dynamic envelopes with mesh tessellations [89] 2. Tamás Ther, István Sajtos Horizontal load resistance of ruined walls case study of a Hungarian castle with the aid of laser scanning technology [39] 3. Michela Pascucci, Elena Lucchi 2D-Hygrothermal Simulation of Historical Solid Walls [40] Moamen M. Seddik, Rabee M. Reffat and Shawkat L. 4. Elkady Identification of Required Processes and Data for Facilitating the Assessment of Resources Management Efficiency during Buildings Life Cycle [91] C2, Room 17 Generative Design - 1 chair: Andre Chaszar Res. Asst. Günsu Merin Abbas, Asst. Prof. Dr. İpek Gürsel 1. Dino Visual Structuring for Generative Design Search Spaces [30] 2. Juan José Castellón González, Pierluigi D'Acunto Stereotomic Models In Architecture A Generative Design Method To Integrate Spatial and Structural Parameters Through the Application of Subtractive Operations [28] 3. Biljana Jovic Biomimetic Geometrical Approach to Generative Design [49]

#### 15:20 - 15:40 Coffee break

# 15:40 - 17:00

D1, Room 16	Visualization and Communication
chair:	Katerina Novakova
1.	Benjamin Heinrich, Gabriel Wurzer
	<i>Towards the Measurement of Perceived Architectural Qualities [84]</i>
2.	Wolfgang E. Lorenz
	<i>Complexity across scales in the work of Le Corbusier Using box-counting as a method for analysing facades [85]</i>
3.	Andre Chaszar
	Issues of control and command in digital design and architectural computation [75]
4.	Dóra Surina, Gábor Bödő, Konsztantinosz Hadzijanisz, Réka Lovas, Beatrix Szabó, Barnabás Vári, András Fehér

Integrating Point Clouds to Support Architectural Visualization and Communication [79]

## D2, Room 17 Generative Design - 2

chair: Gabriel Würzer

1. Dr. Francesco De Luca

Solar Envelope Optimization Method for Complex Urban Environments [57]

Bálint Botzheim, Patricia Emy Kikunaga, Kitti Gidófalvy, András 2. Szollár, András Reith

Performance-oriented Design Assisted by a Parametric Toolkit - Case study [66]

3. Réka Sárközi

Classification of Parametric Design Techniques [61]

4. Delia Dumitrescu

Time-based Matter: Suggesting New Formal Variables for Space Design [65]