**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]*

A3, Room 18 **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 [CHANGE IN SCHEDULE]*

   *Intelligent Making and Robotic Structure in Architectural Design Research [24]*

3. *Martijn Stellingwerf*

*"Massive Open Online Course" - Image Ability*

**11:20 - 11:40**

**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]*

4. *Pedro Santiago*

   *Bim technology as teaching tool for sustainable construction [22]*

B2, Room 17 **Smoth Transition**

chair: Emil Molnár

1. *Mohammed Mustafa Ezzat*

   *A General Theory for Finding the Lightest Manmade Structures Using Voronoi and Delaunay [23]*

2. *Szilvia B.-S. Béla, Márta Szilvási-Nagy*

   *Changing Tangent and Curvature Data of B-splines via Knot Manipulation [15]*

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]*

4. *Moamen M. Seddik, Rabee M. Reffat and Shawkat L. 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

1. *Res. Asst. Günsu Merin Abbas, Asst. Prof. Dr. İpek Gürsel 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*

   *Towards the Measurement of Perceived Architectural Qualities [84]*

2. *Wolfgang E. Lorenz*

   *Complexity across scales in the work of Le Corbusier Using box-counting as a method for analysing facades [85]*

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]*

2. *Bálint Botzheim, Patricia Emy Kikunaga, Kitti Gidófalvy, András 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]*