**Day 1 (13 November)**

**Registration**
- 8:30 - 9:15

**Welcome Address**
- 9:15 - 9:30
  - Yasushi Ikeda

**Keynote Lecture X-1**
- 9:30 - 10:15
  - Jesse Reiser: Managing the Surfeit
    - Architect, Reiser + Umemoto / Princeton University
  - Introduction: Yasushi Obuchi

**Keynote Lecture X-2**
- 10:15 - 11:00
    - Architect, Makoto Sei Watanabe/Architect's Office
  - Introduction: Hideto Horiike

**Panel Discussion**
- 11:00 - 12:15
  - Daisuke Hirose, Taichi Sunayama
  - Yusuke Obuchi
  - Design by Human Behavior

**Keynote Lecture X-3**
- 13:00 - 14:15
  - Tom Verebes: Computation and the City
    - Associate Professor, The University of Hong Kong

**Keynote Lecture X-4**
- 14:30 - 15:15
  - Kostas Terzidis: PERMUTATION Architecture
    - Professor, Harvard university GSD

**Coffee Break**
- 15:00 - 15:15

**Session A**
- 15:15 - 16:30
  - Shape Grammar and Mathematical Form-finding
    - Multiobjective shape optimization of lattice shells for elastic stiffness and uniform member lengths
      - Makoto Ohsaki
  - Algorithms processes and evolutionary architectural design for non-standard geometries
    - Emmanuel Ruffo
  - Texture generation system from point cloud data acquired from a 3D laser scanner
    - Tomohiro Fukuda
  - Benchmarking_Observatory — Application of Geometric Engineering
    - Ryota Kidokoro
  - Nitohashi-0
    - Taichi Kuma

**Session Coordinator:** Yusuke Obuchi

**Coffee Break**
- 16:30 - 16:45

**Session H**
- 16:45 - 18:00
  - Generative Geometries
    - Why MEL?
      - Richard Dank
  - Parametric Design Optimization
    - Trust Optimization using Genetic Algorithm Considering Ultimate Resistance
      - Huaguo Wang
  - Procedural Ornament: A Dataflow Approach to Subdivision
    - Michael Hansmeyer
  - Generative Models Utilized for Superior Design Development
    - Jonathan Mittschin
  - An experimental developable-transform based on the levelset method and topological skeleton
    - Jelle Feringa

**Room1**

**Exhibition**
- 13:00 - 17:00
  - A sustainable timber solutions applying algorithmic design
    - Yasushi Ikeda
  - Designing one-DOF mechanisms for architecture by rationalizing curved folding
    - Makoto Ohsaki
  - Designing One-DOF Mechanisms for Architecture by Rationalizing Curved Folding
    - Tomohiro Tachi
  - Designing User Interfaces for Algorithmic Design
    - Yoshiaki Mima

**Coffee Break**
- 15:15 - 16:15

**Session D**
- 16:45 - 18:00
  - Tectonics with generative methods
    - Structural Morphogenesis
      - Haruyuki Fujii
  - Interdisciplinary research processes for architectural design and production
    - Kathrin Margarethe
  - A Generation System of Framework in Consideration of Characteristic of Wind Force
    - Toshifumi Mae

**Session Coordinator:** Sawako Kajima

**Session Coordinator:** Mike Xie

**16:45 - 17:00**
- A Space Structure Based on an Algorithm Generating Ocean Wave
  - Shuichi Asayama

**17:00 - 17:45**
- A Generation System of Framework in Consideration of Characteristic of Wind Force
  - Toshifumi Mae

**Texture generation system from point cloud data acquired from a 3D laser scanner**
- Tomohiro Fukuda

**Human Computer Interaction in Architecture: Exploring the Brain-Body-Environment Continuum**
- Toru Hasegawa

**Red character indicate online presentators**

**Purple character indicate online presentators re-assigned to another session considering local time difference**
### Day 2 (14.November)

#### Main Hall

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<td><strong>session I</strong></td>
<td>Multi-Agent System Employed in Education of Parametric Non-linear Architectural Design</td>
<td>Weixin Huang</td>
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<td>Turbulations: Classification and Modeling Systems of Control in Generative Art</td>
<td>Benjamin Dihnenburger</td>
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<td>10:15 - 10:30</td>
<td><strong>session K</strong></td>
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<td>Six Scripts for Karl Blossfeld</td>
<td>P. Casey Mahon</td>
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<td>11:00 - 12:15</td>
<td><strong>Keynote Lecture Y-1</strong></td>
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<td>Marcos Novak</td>
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<td>Architect, Professor, UC Santa Barbara</td>
<td>introduction: Naomi Matsnaga</td>
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<td>12:30 - 13:30</td>
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<td>Architecture and Urban design through Evolutionary Structural Optimization Algorithms</td>
<td>introduction: Makoto Ohsaki</td>
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<td>14:00 - 15:15</td>
<td><strong>Panel Discussion</strong></td>
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<td>ETH Zurich CAAD</td>
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<td>Tom Verebes, Hong Kong University</td>
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<td>Toru Hasegawa, Columbia University</td>
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<td>15:30 - 16:30</td>
<td><strong>session F</strong></td>
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<td>Philippe Marin</td>
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<td>Thinking With Computers and Fabricating With Machines</td>
<td>Karola Dierichs</td>
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<td>Interrelation of experience and simulation in the development of Composite Architectures</td>
<td>Denis Villegas</td>
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<td>Artificial Swarm intelligence</td>
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<td>16:30 - 17:30</td>
<td><strong>Keynote Lecture Y-3</strong></td>
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#### Room1

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<td>Architectural Form Created by Interaction with Wind</td>
<td>Toshinobu Oku</td>
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<td>Comparison between Top Down and Bottom Up Algorithms in Computational Design Practice</td>
<td>Satoru Sugihara</td>
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<td>Analyzing Spatial Complexity within the Neighbourhood of Visual Cognition</td>
<td>Yasushi Sakai</td>
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<td>Form for Digital Fabrication</td>
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<td>Generative Applications inspired by Emergent Behavior</td>
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### Coffee and Lunch

- **Coffee Break**: 10:15 - 10:30
- **Lunch**: 11:45 - 12:30
- **Lunch Box Service Available**: 11:45 - 12:30

### Keynotes

- **Keynote Lecture Y-1**: Marcos Novak (Architect, Professor, UC Santa Barbara)
- **Keynote Lecture Y-2**: Mike Xie (Architecture and Urban design through Evolutionary Structural Optimization Algorithms Professor, RMIT University)
- **Keynote Lecture Y-3**: Hanif Kara (Video presentation) (Structural engineer, Adams Kara Taylor)
- **Keynote Lecture Y-4**: Michael Weinstock (Video presentation) (Architect, Professor, AA school LONDON)

### Panel Discussion

**Education of Algorithmic Design**

- **Moderators**: Ludger Hovestadt, ETH Zurich CAAD
- **Speakers**: Tom Verebes, Hong Kong University
- **Speakers**: Toru Hasegawa, Columbia University

### Additional Information

- **Reception at AIJ Hall**: 18:30 - 20:30
- **Ocean Hall**: View from Room 1
- **Main Hall**: View from Room 1

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