

# Mathematical Progress in Expressive Image Synthesis

11-13 November 2016

Nishijin Plaza, Kyushu University, Fukuoka, Japan

<http://mcg2.imi.kyushu-u.ac.jp/meis2016/>

## Friday 11 November

**13:00 - 13:15 Opening**

**Session chair: Yoshinori Dobashi**

13:15 - 14:15 **Design Tools in the Age of Personal Fabrication**†

Takeo Igarashi (The University of Tokyo)

14:30 - 15:15 **Clustering and Layout of Graphs with Attributed Nodes\***

Takayuki Itoh (Ochanomizu University)

**Session chair: Hiroyuki Ochiai**

15:45 - 16:15 **Recent Progress in Simulations of 3D Vortex Sheets with Surface Tension**

Kazuki Koga †, Mitsuaki Funakoshi (Kyoto University)

16:15 - 16:45 **An Efficient Cloud Simulation with Adaptive Grid Structure**

Kei Suzuki † (Hokkaido University), Yoshinori Dobashi (Hokkaido University/UEI Re-search), Tsuyoshi Yamamoto (Hokkaido University)

16:45 - 18:00 **Poster session**

## Saturday 12 November

**Session chair: Ken Anjyo**

10:00 - 10:30 **Dappled tiling**

Shizuo Kaji (Yamaguchi University), Alexandre Derouet-Jourdan † (OLM Digital Inc.), Hiroyuki Ochiai (Kyushu University)

10:45 - 11:15 **Procedural Non Uniform Cellular Noise**  
Théo Jonchier  $\square$ , Marc Salvati, Alexandre Derouet-Jourdan (OLM Digital Inc.)

11:30 - 12:30 **Orbifold Tutte's Embedding** $\dagger$   
Yaron Lipman (Weizmann Institute of Science)

**Session chair: Yoshihiro Mizoguchi**

14:00 - 14:45 **A study of serious game for healthcare and rehabilitation\***  
Hiroyuki Matsuguma (Kyushu University)

15:00 - 15:45 **BeadsKnot – toward an integrated editor of knot diagrams\***  
Yuumu Rikiishi, Eri Kamikawa, Kazushi Ahara  $\square$  (Meiji University)

16:15 - 17:00 **Very basic math is of great use to medicine\***  
Hirofumi Seo (M.D., SCIEMENT, Inc.)

18:30 - **Banquet**  
at Ishikura Shuzo

## Sunday 13 November

**Session chair: Shizuo Kaji**

10:00 - 10:45 **Spectral modeling of reflective-fluorescent Scenes\*2**  
Imari Sato (National Institute of Informatics)

11:00 - 11:45 **Algorithmic Wasserstein Distances and Applications to Histogram Regression\***  
Marco Cuturi (Université Paris-Saclay, ENSAE)

12:00 - 13:00 **Exploiting coherence in light transport simulations** $\dagger$   
Wenzel Jakob (EPFL)

13:00 - **Closing**