Emerging Technologies Talks
29 – 30 November 2017
Bangkok Int'l Trade & Exhibition Centre (BITEC)

Venue: BHIRAJ Hall 3 - Experience Hall (Emerging Technologies Talk)

Date: Wednesday, 29 November 2017

Emerging Technologies Talk Welcome and Introduction
(Including an overview of review process and results)
13:00 – 13:15
- Emerging Technologies Chair - Takuji Narumi, University of Tokyo, Japan
- Emerging Technologies Co-Chair - Borom Tunwattanapong, Ratchathani University, Thailand

Emerging Technologies Talk 1: Mixing Up Realities
13:15 – 14:15
- SharedSphere: MR Collaboration through Shared Live Panorama
  - Gun Lee, University of South Australia, Australia
  - Theophilus Teo, University of South Australia, Australia
  - Seungwon Kim, University of South Australia, Australia
  - Mark Billinghurst, University of South Australia, Australia
- CoVAR: A Collaborative Virtual and Augmented Reality System for Remote Collaboration
  - Thammathip Piumsomboon, University of South Australia, Australia
- Magic Table: Deformable Props Using Visuo Haptic Redirection
  - Junya Mizutani, The University of Tokyo, Japan
  - Keigo Matsumoto, The University of Tokyo, Japan
  - Takeru Hashimoto, The University of Tokyo, Japan
  - Hibiki Yonahara, The University of Tokyo, Japan
  - Ryohei Nagao, The University of Tokyo, Japan
- Mobius Walker: Pitch and Roll Redirected Walking
  - Isamu Ohashi, The University of Tokyo, Japan
  - Jumpei Shimatani, The University of Tokyo, Japan
  - Keigo Matsumoto, The University of Tokyo, Japan
Emerging Technologies Talks
29 – 30 November 2017
Bangkok Int’l Trade & Exhibition Centre (BITEC)

Venue: BHIRAJ Hall 3 - Experience Hall (Emerging Technologies Talk)

Date: Wednesday, 29 November 2017

Emerging Technologies Talk 2: Magic of Light
14:30 – 15:30

**Enhanced Shadow Play with Neural Networks**
- Kiattiyo Panichprecha, Bit Studio, Thailand
- Isarun Chamveha, Bit Studio, Thailand
- Chatavut Viriyasuthee, Bit Studio, Thailand

**Demonstration of the Unphotogenic Light: Protection from Secret Photography by Small Cameras**
- Ippei Suzuki, University of Tsukuba, Japan
- Yoichi Ochiai, University of Tsukuba, Japan

**3D Communication System Using Slit Light Field**
- Tomo Tanoue, Osaka University, Japan

**Swinging 3D Lamps: A Projection Technique to Create 3D Illusions on a Static 2D Image**
- Nami Ogawa, The University of Tokyo, Japan
Emerging Technologies Talks
29 – 30 November 2017
Bangkok Int’l Trade & Exhibition Centre (BITEC)

Venue: BHIRAJ Hall 3 - Experience Hall (Emerging Technologies Talk)

Date: Thursday, 30 November 2017

Emerging Technologies Talk 3: Feeling Good
13:00 – 14:00

ThermoReality: Thermally Enriched Head Mounted Displays for Virtual Reality
- Roshan Peiris, Keio University Graduate School of Media Design, Japan
- Zikun Chen, Keio University Graduate School of Media Design, Japan
- Peng Wei, Keio University Graduate School of Media Design, Japan
- Kouta Minamizawa, Keio University Graduate School of Media Design, Japan

HapBelt: Haptic Display for Presenting Vibrotactile and Force Sense using Belt Winding Mechanism
- Takuto Nakamura, The University of Electro-Communications, JSPS Research Fellow, Japan
- Vibol Yem, Hiroyuki Kajimoto, The University of Electro-Communications, Japan

Interactive Midair Odor Control via Ultrasound-Driven Air Flow
- Keisuke Hasegawa, The University of Tokyo, Japan
- Liwei Qiu, The University of Tokyo, Japan
- Hiroyuki Shinoda, The University of Tokyo, Japan

OptRod: Operating Multiple Various Actuators Simultaneously by Projected Images
- Ryo Shirai, Osaka University, Japan
- Yuichi Itoh, Osaka University, Japan
- Taichi Fukamachi, Osaka University, Japan
- Mayu Yamashita, Osaka University, Japan
- Takao Onoye, Osaka University, Japan
Emerging Technologies Talks
29 – 30 November 2017
Bangkok Int’l Trade & Exhibition Centre (BITEC)

Venue: BHIRAJ Hall 3 - Experience Hall (Emerging Technologies Talk)

Date: Thursday, 30 November 2017

Emerging Technologies Talk 4: Embodied Interaction
14:20 – 15:20

**Tangible UI by Object and Material Classification with Radar**
- Hui-Shyong Yeo, University of Saint Andrews, UK

**Computational Foresight: Realtime Forecast of Human Body Motion**
- Yuuki Horiuchi, The University of Tokyo, Japan

**Telewheelchair: A Demonstration of the Intelligent Electric Wheelchair System towards Human-Machine**
- Satoshi Hashizume, University of Tsukuba, Japan
- Ippei Suzuki, University of Tsukuba, Japan
- Kazuki Takazawa, University of Tsukuba, Japan
- Yoichi Ochiai, University of Tsukuba, Japan
- Yoshikuni Hashimoto, AISIN SEIKI Co., Ltd, Japan
- Ryuichiro Sasaki, AISIN SEIKI Co., Ltd, Japan

**EgoScanning: Quickly Scanning First-Person Videos with Egocentric Elastic Timelines**
- Keita Higuchi, The University of Tokyo, Japan

Emerging Technologies Prize Ceremony
15:20 – 15:40

- Emerging Technologies Chair - Takuji Narumi University of Tokyo, Japan
- Emerging Technologies Co-Chair - Borom Tunwattanapong Ratchathani University, Thailand