

Advance Program: March 16, 2018: Conference, Exhibition, and Banquet

Conference: at Symposium Space on the 1st floor of Raiosha Building

10:00-10:10 Opening Remarks

10:10-12:10 Technical session 1: Image Sensor Communication

- ✓ Connected OCC Signages for Small-Cell Networks
Trang Nguyen, Yeong Min Jang (Kookmin University, Korea)
- ✓ Performance Enhancement for Image Sensor Communication in an Intelligent Transport System Using a High-speed Stereo Camera
Masayuki Kinoshita, Takaya Yamazato, Hiraku Okada and Toshiaki Fujii (Nagoya University, Japan); Shintaro Arai (Okayama University of Science, Japan); Tomohiro Yendo (Nagaoka University of Technology, Japan); Koji Kamakura (Chiba Institute of Technology, Japan)
- ✓ PSK modulation in camera based VLC for receiving from distributed transmitters
Wataru Kihara and Tomohiro Yendo (Nagaoka University of Technology, Japan); Yoshifumi Shiraki (Nippon Telegraph and Telephone Corporation, Japan); Takashi G Sato (NTT Communication Science Laboratories, Japan); Takehiro Moriya (NTT, Japan)
- ✓ Symbol Synchronization Performance of Image-Sensor VLC with Rolling Shutter
Takuya Zinda and Wataru Chujo (Meijo University, Japan)
- ✓ Secure VLC services and practical applications
Noriharu Miyaho (Tokyo Denki University & Japan, Japan); Atsuya Yokoi (Samsung R&D Insitute Japan, Japan); Noriko Konno, Takamasa Shimada and Takeshi Ogawa (Tokyo Denki University, Japan)
- ✓ Psychological and Physiological Effects of VLC using Versatile CSK Code Patterns
Takamasa Shimada and Noriko Konno (Tokyo Denki University, Japan); Atsuya Yokoi (Samsung R&D Insitute Japan, Japan); Noriharu Miyaho (Tokyo Denki University & Japan, Japan)

12:10-13:30 Lunch

13:30-14:30 Technical session 2: Modulation and Circuit

- ✓ Prototype: Enabling Commercial Off-the-Shelf LED Bulbs with Internet Protocol Connectivity
Ming Che, Takeshi Kuboki and Kazutoshi Kato (Kyushu University, Japan)
- ✓ Non-RLL DC-Balance based on a Pre-scrambled Polar Encoder for Beacon-based Visible Light Communication Systems
Duc Phuc Nguyen and Dinh-Dung Le (Nara Institute of Science and Technology, Japan); Thi Hong Tran (Nara Institute of Science and Technology (NAIST), Japan); Yasuhiko Nakashima (Nara Institute of Science and Technology, Japan)
- ✓ Design of Synchronization Signal Embedded Optical Wireless Differential OOK
Yuta Asano, Hiromasa Habuchi and Yusuke Kozawa (Ibaraki University, Japan)

14:30-15:00 Break

15:00-17:00 Invited Talks

- ✓ Invited Talk 1: *Zhengyuan Xu (University of Science and Technology of China)*
- ✓ Invited Talk 2: *Takao Sawa (Japan Agency for the Marine-earth Science and Technology)*
- ✓ Invited Talk 3: *Nan Chi (Fudan University, P.R. China)*
- ✓ Invited Talk 4: *Masao Nakagawa (Keio University)*

17:00-17:10 Closing

Exhibition:

12:10-17:30 Exhibition of OWC/VLC on the 1st floor of Raiosha Building

Banquet:

17:30-19:30 at Faculty Lounge on the 1st floor of Raiosha Building