1st Workshop on Optical Wireless Communication for Smart City (1st OWC²)

Nagoya, Japan
Dec. 17-18, 2019

2nd Call for Papers

The 1st Workshop on Optical Wireless Communication for Smart City (1st OWC²) will be held at Nagoya, Japan, December 17th-18th, 2019. The objective of the workshop is to provide a forum for exchange of the latest results related to OWC, which refers to general optical wireless communication including infrared (IR), ultraviolet (UV), and visible light communications (VLC), toward the realization of "Smart City". Papers describing original results in all aspects of OWC are invited. Topics include, but are not limited to:

- Channel modeling, modulation, coding, and equalization
- Channel capacity analysis and diversity techniques
- Optical MIMO, WDM, and color-frequency modulation
- Energy efficiency and dimming issues of simultaneous illumination and communication using VLC
- Mobility and robustness issues in optical small cells (attocells)
- Multiuser techniques, optical CDMA, and optical OFDMA
- Access, scheduling and interference mitigation for multiuser OWC
- Protocols, architecture, and PHY/MAC cross-layer design for multiuser OWC
- Multi-tier systems integrating OWC and RF for 5G and future communication systems
- Optoelectronic transmitter and receiver design for indoors and outdoors OWC
- Experimental demonstrations, tests, and performance characterizations of devices and components for OWC
- OWC for smart city

Committee

General Co-Chairs
Shinichiro Haruyama (Keio Univ.)
Takaya Yamazato (Nagoya Univ.)
Yeong Min Jang (Kookmin Univ.)

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Organizer:
- IEICE Technical Committee on Wideband System (WBS)

Cooperation:
- Visible Light Communications Association (VLCA)
- The Korean Institute of Communications and Information Sciences (KICS)

Important Dates:

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<td>Nov. 5, 2019</td>
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<td>Final manuscript Deadline</td>
<td>Nov. 18, 2019</td>
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<td>Nov. 25, 2019</td>
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Conference Venue:

Hotel Kinsenkaku
Toyota, Aichi 470-0364, Japan
URL: https://www.sanageonsen.jp/

For more information, please contact the committee.
URL: https://www.ieice.org/~wbs/1stOWC2/owc2.html
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