

**W12: Workshop on Optical Wireless Communications (OWC'24) for 6G: DETAILED PROGRAM**  
**Organizers:** Chedlia BEN NAILA, Takaya YAMAZATO, Abdelmoula BEKKALI and Eduward TANGDIONGGA

**W12: OWC'24 for 6G Workshop - Session 1 (9:00 - 10:30)**

Welcome address

<b>9:00 - 9:30</b>	<b>Keynote Speaker:</b> Dr. Toshimasa Umezawa (National Institute of Information and Communications Technology (NICT), Japan) <b>Title:</b> High-Speed Photonic Device Technology in Mobile FSO Transceiver
<b>9:30 - 9:45</b>	Paper 1: <b>Harvested Energy Evaluation of Free-Space Optics RIS-Assisted Ground-HAP-UAV System over Composite Channels</b> Hoa T. Le, Thang V. Nguyen, Hien T. T. Pham, and Ngoc T. Dang (Posts and Telecommunications Institute of Technolog, Vietnam)
<b>9:45 - 10:00</b>	Paper 2: <b>Few-Mode Fiber-Coupled Indoor Optical Wireless Communication in the Presence of Misalignment</b> Jinzhe Che, Shenjie Huang, and Majid Safari (The University of Edinburgh, UK)
<b>10:00 - 10:15</b>	Paper 3: <b>Relay-Assisted UOWC-FSO System under Pointing Errors</b> Hao Wang, Chedlia Ben Naila, Hiraku Okada, and Masaaki Katayama (Nagoya University, Japan)
<b>10:15 - 10:30</b>	Paper 4: <b>Update Rate and Dimension Requirements for Reconfigurable Mirror Arrays in Vehicular Visible Light Communication</b> Matthias Rub, Jens Gruber, Christoph Lipps (German Research Center for Artificial Intelligence, Germany), and Hans Dieter Schotten (Institute for Wireless Communication and Navigation, Germany)
<b>10:30 - 11:00</b>	<b>Coffee Break</b>

**W12: OWC'24 for 6G Workshop - Session 2 (11:00 - 12:30)**

<b>11:00 - 11:30</b>	<b>Keynote Speaker:</b> Prof. Nan Chi (Fudan University, China) <b>Title:</b> Intelligent New Spectrum Communication for 6G
<b>11:30 - 11:45</b>	Paper 5: <b>Tracking an LED transmitter by a photodiode receiver using object detection with a rolling shutter camera</b> Shota Araki, Yudai Imagawa, Hiroto Uchida, Wataru Chujo, and Kentaro Kobayashi (Meijo University, Japan)
<b>11:45 - 12:00</b>	Paper 6: <b>A Prospect of Novel Devices for Visible Light Communication in Future 6G Networks Applications</b> Xiaoqian Wang, Chuan Yang, Maoyun Chen (China Mobile Research Institute, China), Chaowen Guan, Lulu Zha, Zhilan Lu, Zhiteng Luo (Fudan University, China), Liang Xia, Hongjun He, Guangyi Liu (China Mobile Research Institute, China), Nan Chi, and Chao Shen (Fudan University, China)
<b>12:00 - 12:30</b>	<b>Keynote Speaker:</b> Dr. Abdellah Chehri (Royal Military College of Canada , Canada) <b>Title:</b> Machine Learning Techniques and Optical Wireless Communications: A Case Study
<b>12:30 - 14:00</b>	<b>Lunch</b>

**W12: OWC'24 for 6G Workshop - Session 3 (14:00 - 15:30)**

<b>14:00 - 14:30</b>	<b>Keynote:</b> Prof. Chi Wai Chow (National Yang Ming Chiao Tung University, Taiwan) <b>Title:</b> Role of Optical Wireless Communication (OWC) for 6G and Space Communication
<b>14:30 - 14:45</b>	Paper 7: <b>Resource Allocation for Cooperative Transmission in Multi-tier VLC Networks with M-QAM and Clipping Distortion</b> Yiming Zhou, Nuo Huang, and Zhengyuan Xu ( University of Science and Technology of China, China)
<b>14:45 - 15:00</b>	Paper 8: <b>On the Design of Wide FoV Angle Diversity Receivers for Vehicle-to-Vehicle VLC</b> Alejandro Lopez Barrios, Maximo Morales-Cespedes (Universidad Carlos III de Madrid, Spain)
<b>15:00 - 15:15</b>	Paper 9: <b>Enhancing Throughput of Optical Wireless Communication by Multi-Branch Dual-stage Cascode Receiver</b> Xiaochen Liu (Eindhoven University of Technology, Netherlands), Jean-Paul M. G. Linnartz (Signify Research, Netherlands), and Aleksandar Sevo (Signify Research, Netherlands)
<b>15:15 - 15:25</b>	Wrap up