

<b>Session Title:</b>	<b>[Tu2H] Microwave Photonics for Sensing Applications</b>
<b>Session Date:</b>	<b>August 6 (Tue.), 2024</b>
<b>Session Time:</b>	<b>16:00-17:30</b>
<b>Session Room:</b>	<b>Room H (117)</b>
<b>Session Chairs</b>	<b>TBA</b>

**[Tu2H-1] [Invited] 16:00-16:30**

**Sensing and Signal Processing based on Integrated Microwave Photonics**

Xiaoke Yi, Xiaoyi Tian, Liwei Li, Suen Xin Chew, and Linh Nguyen (The Univ. of Sydney, Australia)

**[Tu2H-2] 16:30-16:45**

**Ranging Enhancement of Optical Phased Array-based Lidar Enabled by Optical Passive Amplification**

Lanxuan Zhang, Qijie Xie, Quanxin Na, Lei Wang (PengCheng Lab., China), Junfeng Song (Jilin Univ., China), and Lijun Wang (Chinese Academy of Sciences, China)

**[Tu2H-3] 16:45-17:00**

**Photonically-generated Multiband Complementary Dual Chirp Waveforms for Range and Velocity Detection**

Mukund Jha, Rajveer Dhawan, Anu Sharma, and Amol Choudhary (Indian Inst. of Tech., India)

**[Tu2H-4] 17:00-17:15**

**Simultaneous Velocity and Distance Measurement using a Single Asymmetric Dual-Chirp for FMCW RADARs**

Anu Sharma, Rajveer Dhawan, Mukund Jha, and Amol Choudhary (Indian Inst. of Tech. Delhi, India)

**[Tu2H-5] 17:15-17:30**

**Mid-Infrared Chaos Lidar Based on an Interband Cascade Laser**

Kai-Li Lin, Peng-Lei Wang, Yi-Bo Peng (ShanghaiTech Univ., China), Peng Wang, Wenxiang Huang (Raytron Tech. Co., Ltd., China), and Cheng Wang (ShanghaiTech Univ., China)