Session Title:	[TF4] Radar Applications in Human and Environmental Sensing
Session Date:	December 4 (Thu.), 2025
Session Time:	15:40-17:20
Session Room:	Room F (302)

[TF4-1] [Invited]   15:40-16:00

Beyond Contact: the Rise of Wireless Human Sensing Technologies

Takuya Sakamoto (Kyoto University, Japan)

[TF4-2]   16:00-16:20

Machine Learning Selection of Range Bins for Coherent Integration in Distributed Radar Observing Frontal and Lateral Motion

Eun Sung Jang and Jae-Woo Park (Ajou University, Korea (South)); Hyunseok Kim (Electronics and Telecommunications Research Institute, Korea (South)); Jayol Lee (Electronics and Telecommnications Research Institute, Korea (South)); Kyoung Hwan Park (Electronics and Telecommunications Research Institute, Korea (South)); Jeong-Wook Kim (Ajou University, Korea (South))

[TF4-3]   16:20-16:40

A Study on Boiling Process Detection of Water Using 24 GHz FMCW Radar

Tatsuya Yamazaki and Ryosuke Suga (Aoyama Gakuin University, Japan)

[TF4-4]   16:40-17:00

A Robust and Accurate Sleep Apnea Detection Framework Based on a K-Band FMCW MIMO Radar

Keke Zheng, Zhiwei Zhang and Jiayu Zhang (Shanghai Jiao Tong University, China); Yijing Guo (Shanghai Sixth People's Hospital, China); Liling Wang (Renji Hospital, Shanghai Jiao Tong University School of Medicine, China); Changzhan Gu (Shanghai Jiao Tong University, China)

[TF4-5]   17:00-17:20

Integrated Framework for Human Activity Classification and Frame Reconstruction Using in-Pocket FMCW Radar

Juho Cha and Insoo Choi (Sogang University, Korea (South)); Kyungwoo Yoo (Samsung Electronics, Korea (South)); Youngwook Kim (Sogang University, Korea (South))