RESEARCH INSTITUTE FOR FUNDAMENTAL SCIENCES

WINTER SCHOOL - 2026

Integrated Sensing and Communication

(TBAE ISAC)

23 - 25 November 2026

TÜBİTAK Gebze Yerleşkesi
Temel Bilimler Araştırma Enstitüsü

The TÜBİTAK Research Institute of Fundamental Sciences (TBAE) will organize the School on Integrated Sensing and Communication (ISAC) from 23 to 25 November 2026. ISAC, a key technology for 6G networks, enables wireless systems to perform communication and sensing using shared spectrum, hardware, and waveforms. The school will cover radar and wireless sensing fundamentals, OFDM and MIMO systems, ISAC architectures, waveform and beamforming design, performance limits, and sensing–communication trade-offs. Additional topics may include channel modeling, 5G-Advanced and 6G standardization, and applications such as vehicular sensing and UAV detection, along with talks on recent research and open challenges.

Scientific Committee:

Orkun Hasekioğlu (TBAE)
Hüseyin Arslan (Ist. Medipol Uni.)

Organization Committee:

Orkun Hasekioğlu (TBAE)
Levent Turhan (TBAE)
Bilal Kılıç (TBAE)
Abdullah Alpaydın (TBAE)
Ahmet Fatih Mustaçoğlu (TBAE)
Tuba Erdemir (TBAE)
Ekrem Oğuzhan Angüner (TBAE)
Furkan Özer (İst. Medipol Üni.)

Lecturers:

Orkun Hasekioğlu (TBAE)
Hüseyin Arslan (İst. Medipol Uni.)
Lütfiye Durak Ata (İTU)
Onur Günlü (TU Dortmund)
Saira Rafique (Vestel)
Ahmet M. Elbir (İstinye Uni.)
Berna Özbek (İYTE)
Özlem Tuğfe Demir (Bilkent Uni.)

Application Requirements:

While the school is open to everyone, M.Sc. & Ph.D. students, and post-doctoral researches in related fields are strongly encouraged to apply and will be given priority for the face to face (F2F) participation.
- Strong background in Electromagnetic Theory
- F2F application requires academic transcript(s)
- F2F participation is limited

Online participation is available via Zoom.
- No prerequisities needed

Application Deadline
12 NOVEMBER 2026

School Dates
23 - 25 NOVEMBER 2026

For application and detailed information please visit the website.

http://tbae.tubitak.gov.tr/integrated-sensing-and-communication/