

The TÜBİTAK Research Institute of Fundamental Sciences (TBAE) will organize the "Wireless Communications and Beyond 5G (TBAE WCB-5G)" Winter School, to be held between 13-17 February 2026. The winter school will focus on future radio access technologies. Starting with the background on 4G Long-Term Evolution (LTE) and its evolution (LTE-advanced and LTE-advanced PRO), 5G new Radio and Beyond 5G will be discussed in detail. Even though focus of the course will be on Radio Access Technologies (RAT), the basics of the core network architectures their comparison and wireless communications will also be covered. The school will also feature special talks highlighting the latest research developments in these fields.

Scientific Committee:

Orkun Hasekioğlu (TBAE)
Hüseyin Arslan (Medipol Uni.)
Selahattin Nesil (TBAE)

Organization Committee:

Orkun Hasekioğlu (TBAE)
Ekrem Oğuzhan Angüner (TBAE)
Erbil Can Artun (TBAE)
Bilal Kılıç (TBAE)
Selahattin Nesil (TBAE)

Lecturers:

Orkun Hasekioğlu (TBAE)
Hüseyin Arslan (Medipol Uni.)
Kemal Özdemir (Medipol Uni.)
Hakan Ali Çırpan (ITU)
Murat Uysal (Özyeğin Uni.)
Elif Uysal (METU)
Güneş Karabulut Kurt (Uni. of Ottawa)
Kadir Durak (Özyeğin Uni.)
Mehmet Özdemir (Medipol Uni.)
Sohaib Solajei (GTU)

Date & Location:

13 - 17 February 2026
TÜBİTAK Gebze Yerleşkesi,
Temel Bilimler Araştırma Enstitüsü

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 prerequisites needed

Application Deadline:

01 February 2026



TBAE WCB-5G Web Page:

<https://tbae.tubitak.gov.tr/wireless-communications-and-beyond-5g/>