

TÜBİTAK Research Institute for Fundamental Sciences (TBAE) is organizing a summer school on "Vacuum Electron Devices" (TBAE VED'25) between August 11-16, 2025. This intensive summer school is designed to provide graduate students, early-career researchers, and professionals with a comprehensive understanding of the physics, design principles, and applications of modern microwave vacuum tubes. These include klystrons, traveling wave tubes, magnetrons, and vircators. The program will integrate fundamental concepts with real-world engineering challenges by combining theoretical lectures with simulations. The school program includes an exploration of current trends in vacuum electronics, production and manufacturing technologies of VEDs, theory and practical aspects, as well as, pulsed power systems. The school's design fosters interdisciplinary collaboration and prepares the next generation of scientists and engineers for innovation in high-power microwave technologies.

Scientific Committee:

Orkun Hasekioğlu (TBAE)
Selahattin Nesil (TBAE)
Ercüment Arvas (ASELSAN)

Organization Committee:

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

Lecturers:

Ahmed M. Elfrgani (UNM)
Kashif Yaqub (PINSTECH)
Şemsettin Türköz (AÜ)
Ali Alaçakır (IR)
Muhammad Ayub (PINSTECH)
Selahattin Nesil (TBAE)
Agah Oktay Ertay (EBYÜ)

Application Deadline:
3 August 2025

Date & Location:

11 - 16 August 2025
TÜBİTAK Gebze Yerleşkesi,
Temel Bilimler Araştırma Enstitüsü
Barış Mah. Dr. Zeki Acar Cad.
No:1 P.K.: 21, 41470 Gebze / Kocaeli

Application Requirements:

M.Sc. & Ph.D. students, post-doctoral researchers in related fields are strongly encouraged to apply and will be given priority for the face-to-face participation.

Strong background in Electromagnetic Theory

- Approval requires a transcript
- Proven record of successfully taken courses

Online participation is possible via Zoom.

- No prerequisites needed

Application Web Page:

<https://tbae.tubitak.gov.tr/vacuum-electron-devices-school>