



EWI building

International Summer School on Phased Array Systems

Sept. 29th – Oct. 3rd 2025
Delft, the Netherlands

Details

Organizer/Host

Delft University of Technology

Chairs

Prof. DSc. Alexander Yarovoy
Dr. Yanki Aslan

Contact

Kellen Erb & Esther de Klerk
<mailto:Secr-ms3-ewi@tudelft.nl>

Location

TU Delft / Faculteit EWI
Mekelweg 4,
2628 CD Delft
www.radar.tudelft.nl

More information

<http://radar.tudelft.nl/SummerSchool1/>



*Learn, integrate, and design the future –
mastering antennas, circuits, and algorithms
for beamforming in sensing and communications.*





Delft University Library



East gate of Delft

Learn

Understanding of phased array operation requires multi-disciplinary approach, which is based on the antenna array, microwave circuit and signal processing theories. By bringing these three areas together, the school provides a unique integral approach to master the building blocks of various wireless communication and sensing systems.

At the school, the phased array foundations will be applied to multiple societally relevant areas, including 6G, surveillance radar, and biomedical applications.

The education will be complemented by a MATLAB-based practicum & project.

The certificate of 5 ECTS points is provided to those who have completed the course.

Topics:

- Foundations of active antenna arrays
- Front-end architectures for beamforming
- Array signal processing and calibration
- Resource management techniques
- Comms. & sensing applications and system requirements

...and enjoy

Next to the lectures, lab tours, and a practicum, a wide range of social activities and free lunches are planned.

How to register?

You can find the registration form at <https://forms.gle/LZ6wPrfpmAzGlg5q9>

Apply now!

Deadline for registration:

14/09/2025

Registration fee:

€550 for non-profit institutions and €1100 for industry

Speakers:



Prof. Alexander Yarovoy
microwave systems & radar
TU Delft



Ir. Simon van den Berg
military radar systems
Thales Nederland



Prof. Bart Smolders
integrated antenna arrays
TU Eindhoven



Prof. Dusan Zrnic
weather radar & remote sensing
Univ. of Oklahoma, NSSL



Dr. Daniele Cavallo
wideband antenna arrays
TU Delft



Ir. Jon Kraft
software-defined radio & phased array radar
Analog Devices



Dr. Yanki Aslan
multibeam antenna systems
TU Delft



Ir. Paul Mattheijssen
wireless system architectures
NXP Semiconductors



Prof. Frank van Vliet
microwave integrated circuits
University of Twente, TNO



Dr. Remco Litjens
radio resource management
TNO, TU Delft



Dr. Sotir Ouzounov
medical imaging & ASIC design
Philips Medical Systems