



EWI building

International Summer School on MIMO Radar Systems

Sept. 27th – Oct. 2nd 2026
Delft, the Netherlands

Details

Organizer/Host

Delft University of Technology

Chairs

Prof. DSc. Alexander Yarovoy
Dr. Yanki Aslan

Contact

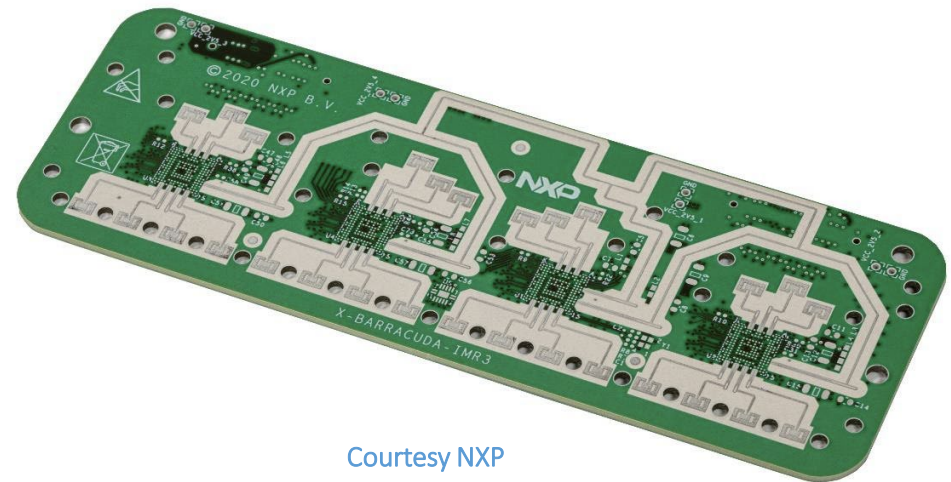
Esther de Klerk
<mailto:Secr-ms3-ewi@tudelft.nl>

Location

TU Delft / Faculteit EWI
Mekelweg 4,
2628 CD Delft
<https://radar.tudelft.nl/>

More information: radar.tudelft.nl/SummerSchool26

*Learn, integrate, and
design the future –
mastering advanced
signal processing,
distributed architectures,
and antennas for MIMO
sensing for diversity of
automotive and
health&wellbeing
applications*



Courtesy NXP



Partners:
TU/e
TNO





Delft University Library

Learn

Understanding of MIMO radar and array systems requires a multidisciplinary approach combining advanced signal processing, RF hardware, and antenna arrays. By integrating these domains, the school provides a comprehensive framework to design and analyze next-generation sensing systems.

The program focuses on key principles of MIMO radar, including waveforms, algorithms, and hardware, with applications on various modern sensing applications such as automotive radars, surveillance radars, and biomedical radars.

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 radar and array systems
- MIMO front-end and distributed architectures
- Waveform design and MIMO transmission schemes
- Array signal processing for MIMO
- Calibration and synchronization in distributed arrays
- Applications: automotive radar, health&wellbeing, short range imaging

...and enjoy

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

How to register for the school?

You can find the registration form at
<https://forms.office.com/e/xjXwZU422P>

Deadline for registration: **19/09/2026**

Registration fees:
 €550 for non-profit institutions and €1100 for industry



Speakers:



Prof. Alexander Yarovoy
 microwave systems & radar
 TU Delft



Prof. Bart Smolders
 integrated antenna arrays
 TU Eindhoven



Prof. Geert Leus
 DoA estimation in MIMO radars
 TU Delft



Dr. Yanki Aslan
 multibeam antenna systems
 TU Delft



Dr. Francesco Fioranelli
 ML for radar target classification
 and vital sign extraction
 TU Delft



Dr. Sen Yuan
 MIMO short-range imaging
 TU Delft

Industrial speakers are from NXP & TNO



Courtesy NXP