Details

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Fraunhofer FHR

Fraunhofer Institute for
High Frequency Physics and
Radar Techniques FHR

17th International Summer School on Radar / SAR

Learning and enjoying!

June 27 – July 3, 2026
Bonn, Germany

The surroundings: Drachenfels and Siebengebirge

Learning...

One of Europe's most renowned radar institutes Fraunhofer FHR cordially invites you to join us for our upcoming International Summer School on Radar/SAR. Our program covers a wide range from radar fundamentals over state-of-the-art Radar/SAR systems to sophisticated signal processing techniques.

...and enJOYing!

As a student at the International Summer School you will gain in-depth education on radar and synthetic aperture radar (SAR) techniques by distinguished international lecturers in a vibrant atmosphere. Our intellectually rewarding courses are accompanied by excursions as well as cultural and social events, introducing you to UNESCO's World Heritage, the Upper Middle Rhine Valley, and to the famous city of Cologne.

more info:

www.radarsummerschool.fraunhofer.de

Contents

Apply now!*
* until March 31, 2026

The main focus of the International Summer School on Radar/SAR lies particularly in imparting the knowledge of the physical fundamentals and technologies of modern Radar/SAR systems and the necessary signal processing steps. Special emphasis is put on imaging radar. Considered systems and applications are regarded under dual use aspects.

The exacting challenging lectures and workshops feature crucial topics, such as:

- Radar fundamentals and statistical signal processing
- Overview of different radar systems in the area of remote sensing
- Radar imaging (synthetic aperture radar / SAR)
- Moving target indication
- Interferometric SAR
- Radar Polarimetric
- Bi-/multistatic and passive radar/SAR systems
- Waveform design
- Antennas and scattering
- Special aspects for radar front-ends
- Special radar techniques: Terahertz imaging, ultra wideband (UWB) radar, ground penetrating radar (GPR)
- Compressive sensing
- Cognitive radar