



Pre-Conference Early Researcher Radar Training Workshop

Monday, 21st of September 2026

U.R.S.I.
Landesausschuss in
Deutschland e.V.

Commission F

Chairman:

Prof. Dr. Madhu Chandra

The day before the **U.R.S.I. Kleinheubacher Tagung 2026** (KH2026), the national U.R.S.I. Commission F, together with the ITG Working Group HF 5, will hold a **one-day Radar-Training Workshop on Monday, 21st of September, 2026**, from 09:00 hours to 18:00 hours at the **workshop venue Evolum** (<https://evolum.work>), Luitpoldstraße 1, 63897 Miltenberg am Main, located within a short walking distance from the conference venues of the Kleinheubacher Tagung 2026. The workshop will be financially sponsored by the U.R.S.I. Landesausschuss in Deutschland e.V.

The course will be designed
and presented by a
workshop committee.

Coordination:

Prof. Dr. Madhu Chandra

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Technology, Chemnitz

Contact-Person, Organisation:

Dipl.-Ing. Patrick Tracksdorf

Deutscher Wetterdienst,
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Advisor:

Dr. Stefano Turso

Fraunhofer-Institut für
Hochfrequenzphysik
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Speakers:

Dr.-Ing. Andreas Danklmayer

Fraunhofer-Institut für
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und Radartechnik FHR,
Wachtberg

Dr.-Ing. Tobias Rommel

Deutsches Zentrum für Luft-
und Raumfahrt DLR, Weßling

Dr.-Ing. Jörg Steinert

Deutscher Wetterdienst,
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Title of the Radar-Training Workshop:

***Introduction to Multiparameter Radar-Systems using Fundamentals
of Radio Science and Engineering***

Course Description:

The workshop will provide insight into radar fundamentals that will enable the participants to understand present-day advanced multiparameter remote sensing radar systems and some of their applications in environmental remote sensing. The workshop will familiarise the participants not only with the essential radar basics but also with the established and emerging layers of functionalities, such as Doppler, polarisation-diversity, waveform methods, basics of electronic scanning and beam-forming radar antennas. The topic coverage will therefore enable the participants to understand the concepts behind advanced radar methods that are witnessing deployment in design and conception of the next generation radar systems. The course should particularly appeal to young scientists and engineers, typically doctoral candidates, who are interested in radar remote sensing, especially in the context of environmental monitoring. The course combines oral presentations with some hands-on exercises demonstrating fundamentals of radar signal processing including SAR signal processing.

Computing Requirements:

As the hands-on features make use of MATLAB, the participants are advised to bring along their laptops with the MATLAB program on them.

Admission:

The Training Workshop is open, and free of cost, to all participants registered for the conference and the Training Workshop. Workshop participants not registered for the conference will be charged a nominal fee. Admission to the workshop will be regulated by the workshop committee in consultation with the conference management and technical programme committee. Interested early-stage researchers should contact Mr. Patrick Tracksdorf over: Training-Workshop-KH2026@lists.tu-chemnitz.de and place their application before 28th of August, 2026. Selected applicants will be informed by 31st of August. Regular workshop updates and course details can be followed on: <https://www.kh2026.de/preconference-workshop.html>