

Advanced Radar System Design and Signal Processing

18th – 22nd December 2017
Indian Institute of Technology Indore

Overview

A course on radar systems is extremely pertinent in the current era of technical development both nationally and internationally. Internationally many interesting radar systems are being designed. These are mostly systems that have been in conceptual phase until recently. Internationally, there has also been an increased interest in launching radar satellites. Almost every major space agency is planning to launch a radar satellite in the next five years. In the national arena, radar system design has been one of the fortes of DRDO and ISRO. DRDO has designed some of the earliest phased array radar systems in the world. Systems like short-range radar (BFSR-SR) have been in the international media. Similarly ISRO's Radar Imaging Satellite (RISAT) has taken India to the elite club of very few countries possessing a radar imaging satellite.

Who can attend?

An electronics engineer or research scientist interested in designing radar based system.

An entrepreneur and want to venture into the design of radar systems.

A postgraduate student or faculty from academic institution interested in learning how to do research on radar system or subsystem.

An undergraduate student desirous of gathering some exciting knowledge and some hands-on design experience over the winter vacation.

Teaching Faculty

Prof. Amit Kumar Mishra has been a radar researcher since 2003. He has worked in different organizations and projects (both in India and abroad) related to radar system design and signal processing. He has taught postgraduate level course on radar system design and signal processing for more than six years in South Africa (University of Cape Town) and Australia (Australian National University). In his over 10 years of academic career he has published more than 20 journal papers in the area of radar system design and signal processing, and is inventor or co-inventor in more than six patents.

Modules

S. NO.	TOPICS	DATE
1	Basics of Radar Signal Processing	18-19 Dec
2	Synthetic Aperture Radar & MIMO Radar	20-21 Dec
3	Automatic Target Recognition	22 Dec

Course Fee (includes breakfast and lunch, all instructional materials, computer use for tutorials and assignments):

Participants from abroad : US \$500
Industry/ Research Organizations : Rs 20,000
Academic Institutions : Rs 5,000
Students : Rs 2,000

Max. Seats: 50

Last date for registration is 15th December 2017 and acceptance is on first-come-first basis.

Course Coordinator

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For Institute Accommodation and Charges

Contact at: IITI Guest House (guesthouse@iiti.ac.in)
or IIT Hostel (hostel@iiti.ac.in)

Registration

Register at: <https://goo.gl/pFAZDQ>

For more information please contact at:
gianiitjee@gmail.com

The registration fees (includes lunch) can be paid to:

Account Name: IIT Indore Project & Consultancy A/c

Account Number: 1476101027440

IFSC code: CNRB0001476

Name of the Bank: Canara Bank

Account type: Savings

GSTIN: 23AA AAI7 115H 122