



Module PMRF-ISSS068/II/2025

Array and Metasurface for Wireless Communication

Name of the PMRF student

Saurav Roy
IISc Bengaluru

Required background of the students taught

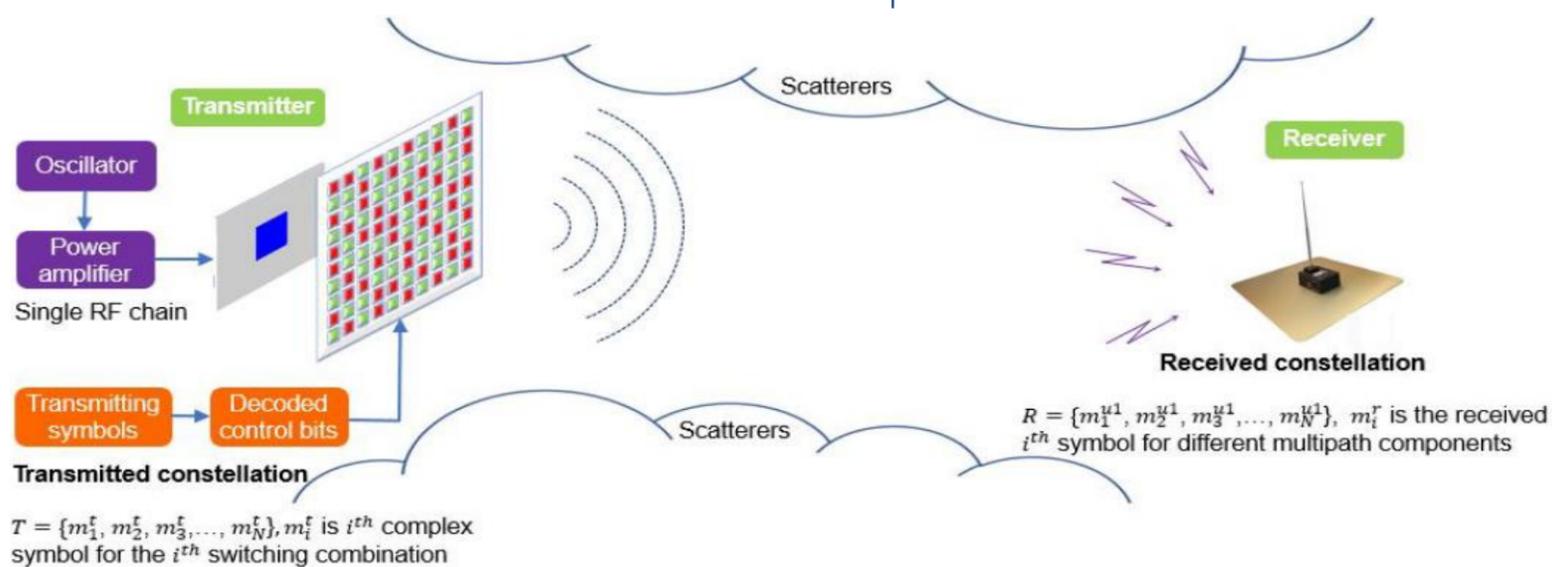
Basics of electromagnetics and antenna theory

Online session coordinator

Will be chosen from the list of registrants

Details of the content of the module

- MIMO and Implementation
- Direct Antenna Modulation (DAM) and Implementation
- QPSK, QAM and Implementation
- ESPAR (Electronically Steerable Passive Array Radiator) and Implementation
- Space Shift Keying (SSK) and Implementation
- Spatial Modulation (SM) and Implementation
- Media-Based Modulation (MBM) and Implementation



Schedule of the module

Lectures: Saturday, Sunday, 05:30 PM – 07:30 PM

Tutorial: Saturday, 10:30 AM – 12:30 PM

Duration: 7-8 Weeks

Start date: 30.08.2024

Meeting link : MS Teams link will be shared later

Contact email ID: issforum@gmail.com

sauravroy@iisc.ac.in

Registration link:

forms.cloud.microsoft/r/KtULgW4PFQ