



UNIVERSITÀ  
DI PAVIA

**Ph.D. Program in Electronics, Computer Science and Electrical Engineering**

## **COURSE**

# **Advanced Topics in RF and Microwave Technology**

***Profs. M. Bozzi and L. Perregrini***

**OBJECTIVES:** The course aims to provide an overview of the emerging research topics in microwave and antenna technology, with particular emphasis on integration and manufacturing technology for RF and microwave components and systems, microwave sensors for material characterization, and industrial and medical applications of microwaves.

### **PROGRAM**

- Integration Technology for RF and Microwave Systems
- Substrate Integrated Waveguide (SIW) Technology
- Microwave Sensors
- Industrial applications of microwaves
- Medical applications of microwaves

**EVALUATION:** Each student will give a short presentation of a topic presented during the course.

**ATTENDANCE:** The course will take place in the Magenta Seminar Room. Students who are not currently in Pavia can contact the course instructors to receive a Zoom link.

**LECTURES:** 15 hours; **CREDITS:** 4.0 ECTS

**DATES:** April 7, 9, 14, 16, 23

**Ph.D. Coordinator**  
Prof. Ilaria Cristiani

Seminar in English

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