



For further information,  
please do not hesitate to contact me.

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EUROPEAN SCHOOL  
OF ANTENNAS

### MARCONI MUSEUM

Participants will have the opportunity to visit the Marconi Museum at Villa Griffone, the ancient villa where Marconi performed his first radio experiments. The visit is scheduled for Friday 08/09/2023.



University of Bologna—Cesenatico Campus  
Viale Magrini, 31,  
47042 Cesenatico (FC).  
Italy

### SHORT-RANGE RADIO PROPAGATION: THEORY, MODELS AND APPLICATIONS

ORGANIZERS: PROF. VITTORIO DEGLI ESPOSTI AND  
PROF. THOMAS KÜRNER



University of Bologna  
@ Cesenatico campus  
September 4-8, 2023

## SUMMARY

The course will deal with propagation and channel modelling for medium/short range wireless systems and networks, including millimetre wave and Terahertz radio propagation, as well as aspects related to MIMO and UWB technologies and short-range radar applications. The course will include a seminar on spectrum regulation, a seminar on mm-wave channel sounding with a demo, and a visit to Marconi Museum.

The course is organized in collaboration with the COST action CA20120 "INTERACT", the Horizon 2.4 Europe-an Project "6G-SHINE" and the Marconi Foundation.



## REGISTRATION

Please register through the course web site:  
<https://www.euraap.org/esoa-courses>

## TEACHERS

- Local organizer: Prof. **Vittorio Degli Esposti**, Dept. of Electrical, Electronic and Information Engineering "Guglielmo Marconi" (DEI), University of Bologna, Italy.
- Prof. **Conor Brennan**, Research Institute for Networks and Communications Engineering (RINCE), Dublin City University, Ireland.
- Prof. **Thomas Kürner**, Institute for Communications Technology, Technische Universität Braunschweig, Germany.
- Prof. **Fredrik Tufvesson**, ELLIIT: the Linköping-Lund initiative on IT and mobile communication, Lund University, Sweden.
- Dr. **Doriana Guiducci**, Spectrum Expert at European Communication Office (ECO), Copenhagen, Denmark.
- Dr. **Pekka Kyosti**, Keysight Technologies Finland and adjunct professor at University of Oulu, Finland.
- Proff. **Franco Fuschini and Enrico Maria Vitucci**, DEI, University of Bologna, Italy.

## REGISTRATION FEES

€ 550 (Ph.D. Student or University Employee);  
€ 1100 (Industry or Profit Institutions Employee).  
Student grants will be assigned based on CV.

## VENUE

The course will take place at the university campus located in **Cesenatico** (Italy), a fishing and beach resort town on the Adriatic coast.

**Travel information & Accomodation:** Cesenatico can be easily reached by train from Bologna Centrale railway station through Ravenna. Hotels and B&B at walking distance from the course site are available. Please visit the course website for detailed information.

