



SIXTH IEEE SUMMER SCHOOL OF ANTENNAS, PROPAGATION, AND RFID APPLICATIONS
CONSTANȚA, AUGUST 26-27, 2024



PROGRAM

Monday, August 26, 08:00 – 09:00		REGISTRATION	First floor hall (in front of the Auditorium)
Monday, August 26, 09:00 – 09:40		OPENING	Room
Welcome message:	Assoc. Prof. Gabriel Raicu Rector of Constanta Maritime University		Auditorium
Welcome message:	Prof. Cornel Panait IEEE Member, Constanta Maritime University		Auditorium
Welcome message:	Prof. Lucian Toma Chair, IEEE Romania Section		Auditorium
Welcome message:	Prof. Tudor Palade Chair, IEEE Romania Section - AP-S/RFID Joint Chapter		Auditorium
Welcome message:	Prof. Răzvan Tamaș - YO4AG President, Romanian Association on Antennas and Propagation Honorary Chair, IEEE Romania Section - AP-S/RFID Joint Chapter		Auditorium
Monday, August 26, 09:40 – 15:00		LECTURES	Room
09:40 – 10:20	Antennas: fundamentals of radiation and characteristics	Prof. Răzvan Tamaș - YO4AG Head of the Department of Electronics and Telecommunications, Constanta Maritime University, Romania	Auditorium
10:20 – 11:00	Linear Antenna Arrays	Prof. Remus Cacoveanu EOS Electronic Systems SRL, Romania	Auditorium
11:00 – 11:40	COFFEE BREAK		First floor hall
11:40 – 12:20	Introduction to Terahertz Imaging and Measurements	Prof. Qi Feng Shenyang Institute of Automation, Chinese Academy of Sciences, PR of China	Auditorium

12:20 – 13:00	Monopulse Secondary Surveillance Radar. Operation and external factors	Gheorghe Mintean, Department of Communications, Technical University of Cluj-Napoca, Romania	Auditorium
13:00 – 13:40	Direction finding technologies and algorithms for imaging radars used in autonomous driving vehicles	Dr. Filip Roșu NXP Semiconductors, Romania	Auditorium
13:40 – 15:00	LUNCH		Cafeteria

Monday, August 26, 15:00 – 17:40		HANDS-ONs	Room
15:00 – 16:20	Software Defined Radio Applications with Adalm-Pluto	Dr. Andra Păstrăv, Cristian Codau, Rares Buta Department of Communications, Technical University of Cluj-Napoca, Romania	P 009
	Antenna design and measurement	Dr. Andreea Plătică, Dr. Adelaida Heiman Department of Electronics and Telecommunications, Constanta Maritime University, Romania	P 010
16:20 – 17:40	Antenna design and measurement	Dr. Andreea Plătică, Dr. Adelaida Heiman Department of Electronics and Telecommunications, Constanta Maritime University, Romania	P 010
	Software Defined Radio Applications with Adalm-Pluto	Dr. Andra Păstrăv, Cristian Codau, Rares Buta Department of Communications, Technical University of Cluj-Napoca, Romania	P 009

Tuesday, August 27, 09:00 – 14:00		LECTURES	Room
09:00 – 09:40	Transmitters: from characteristics to design	Prof. Florin Alexa – <i>YO2TEX</i> Department of Communications, University Politehnica of Timisoara, Romania	Auditorium
09:40 – 10:20	Distorsions and intermodulations in radiofrequency chains	Dr. Teodor Petrița – <i>YO2PET</i> Department of Communications, University Politehnica of Timisoara, Romania	Auditorium
10:20 – 11:00	COFFEE BREAK		First floor hall
11:00 – 11:40	Design of implanted antenna on a hip implant: interdisciplinary investigations and experimental validation	Prof. Ladislau Matekovits Department of Electronics and Telecommunications, Politecnico di Torino, Italy	Auditorium
11:40 – 12:20	Synchronization loops for digital modulation communication systems	Prof. Radu Bozomitu Department of Telecommunications and Information Technology, Technical University "Gh. Asachi" of Iași, Romania	Auditorium
12:20 – 13:00	Four-Layer Surface Plasmon Resonance Structures with Amorphous As ₂ S ₃ Chalcogenide Films: A Review	Dr-habil. Aurelian Popescu National Research Institute for Optoelectronics – INOE, Romania	Auditorium
13:00 – 13:40	Electromagnetic wave absorption	Prof. Ala Sharaiha Institute of Electronics and Digital Techniques (IETR), University of Rennes, France	Auditorium
13:40 – 15:00	LUNCH		Cafeteria

Tuesday, August 27, 15:00 – 17:40		HANDS-ONs	
15:00 – 16:20	Ham radio demonstration	Constantin Benedic - YO4FRF S.C. OmnisMares. S.R.L.	Room E 207
	Synthetic Aperture Radar Interferometry: implementation in SNAP processor	Dr. Cosmin Dănișor National University of Sciences and Technology of Bucharest, Romania	Room P009
16:20 – 17:40	Synthetic Aperture Radar Interferometry: implementation in SNAP processor	Dr. Cosmin Dănișor National University of Sciences and Technology of Bucharest, Romania	Room P009
	Ham radio demonstration	Constantin Benedic - YO4FRF S.C. OmnisMares. S.R.L.	Room E 207

Tuesday, August 27, 17:40 – 18:00	CLOSING & AWARD CEREMONY	Auditorium
-----------------------------------	--------------------------	------------

When you join IEEE, you:

- *Join a community of more than 450,000 technology and engineering professionals united by a common desire to continuously learn, interact, collaborate, and innovate*
- *Access the resources and opportunities you need to keep on top of changes in technology*
- *Network with other professionals in your local area or within a specific technical interest*
- *Mentor the next generation of engineers and technologists*

Student membership dues:

- *Graduate Student: \$13.50*
- *Undergraduate Student: \$7.00*



https://www.ieee.org/membership_services/index.html