



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



For location, please scan here:



PROGRAM

Monday, August 26, 08:00 – 09:00 REGISTRATION Nautical Training Site - Ground floor hall

Monday, August 26, 09:00 – 09:40 GRAND OPENING CEREMONY OF THE EVENT GROUP: Nautical Training Site - Room A 203
IEEE SUMMER SCHOOL ON ANTENNAS, PROPAGATION, AND RFID APPLICATIONS
IEEE CONFERENCE ON ADVANCED TOPICS ON MEASUREMENT AND SIMULATION

Welcome messages:	Mihnea Costoiu Rector of the National University of Science and Technology <i>Politehnica</i> of Bucharest
	Gabriel Raicu Rector of Constanta Maritime University
	Cornel Panait General Chair, IEEE ATOMS 2024, Constanta Maritime University
	Mihnea Udrea General Chair, IEEE ATOMS 2024, National University of Science and Technology <i>Politehnica</i> of Bucharest
	Lucian Toma Chair, IEEE Romania Section, National University of Science and Technology <i>Politehnica</i> of Bucharest
	Tudor Palade Chair, IEEE Romania Section - AP-S/RFID Joint Chapter, Technical University of Cluj-Napoca
	Răzvan Tamaș General Chair, IEEE ATOMS 2024, Constanta Maritime University President, Romanian Association on Antennas and Propagation

Monday, August 26, 09:40 – 10:20 COFFEE BREAK Nautical Training Site - Ground floor hall
LAB VISIT ON THE NAUTICAL TRAINING SITE

For location, please scan here:



Monday, August 26, 10:20 – 13:40		LECTURES	Nautical Training Site - Room A 203
10:20 – 11:00	Antennas: fundamentals of radiation and characteristics	Prof. Răzvan Tamaş - <i>YO4AG</i> Head of the Department of Electronics and Telecommunications, Constanta Maritime University, Romania	
11:00 – 11:40	Linear Antenna Arrays	Prof. Remus Cacoveanu EOS Electronic Systems SRL, Romania	
11:40 – 12:20	Introduction to Terahertz Imaging and Measurements	Prof. Qi Feng Shenyang Institute of Automation, Chinese Academy of Sciences, PR of China	
12:20 – 13:00	Monopulse Secondary Surveillance Radar. Operation and external factors	Gheorghe Mintean, Department of Communications, Technical University of Cluj-Napoca, Romania	
13:00 – 13:40	Direction finding technologies and algorithms for imaging radars used in autonomous driving vehicles	Dr. Filip Roşu NXP Semiconductors, Romania	

Monday, August 26, 13:40 – 14:40

LUNCH

Nautical Training Site - Cafeteria

Monday, August 26, 14:40 – 15:00

TRANSPORTATION BY BUS TO THE CENTRAL SITE

For location, please scan here:



Monday, August 26, 15:00 – 17:40		HANDS-ONs	Central Site
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	Room P 009
	Antenna design and measurement	Dr. Andreea Plătică, Dr. Adelaida Heiman Department of Electronics and Telecommunications, Constanta Maritime University, Romania	Room 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	Room 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	Room P 009

For location, please scan here:



Tuesday, August 27, 09:00 – 10:20		LECTURES	Central Site - Auditorium
09:00 – 09:40	Transmitters: from characteristics to design	Prof. Florin Alexa – <i>YO2TEX</i> Department of Communications, University Politehnica of Timisoara, Romania	
09:40 – 10:20	Distortions and intermodulation in radiofrequency chains	Dr. Teodor Petrița – <i>YO2PET</i> Department of Communications, University Politehnica of Timisoara, Romania	

Tuesday, August 27, 10:20 – 11:00		COFFEE BREAK	Central Site - First floor hall
LAB VISIT ON THE CENTRAL SITE			

Tuesday, August 27, 11:00 – 13:40		LECTURES	Central Site - Auditorium
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	
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	
12:20 – 13:00	Four-Layer Surface Plasmon Resonance Structures with Amorphous As₂S₃ Chalcogenide Films: A Review	Dr-habil. Aurelian Popescu National Research Institute for Optoelectronics – INOE, Romania	
13:00 – 13:40	Electromagnetic wave absorption	Prof. Ala Sharaiha Institute of Electronics and Digital Techniques (IETR), University of Rennes, France	

For location, please scan here:



Tuesday, August 27, 13:40 – 15:00

LUNCH

Central Site - Cafeteria

Tuesday, August 27, 15:00 – 17:40

HANDS-ONs

Central Site

15:00 – 16:20

Ham radio demonstration

Constantin Benedic - YO4FRF

**Room
E 207**

S.C. OmnisMares. S.R.L.

**Synthetic Aperture Radar
Interferometry: implementation in
SNAP processor**

Dr. Cosmin Dănișor

**Room
P009**

National University of Sciences and Technology of Bucharest,
Romania

16:20 – 17:40

**Synthetic Aperture Radar
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Ham radio demonstration

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S.C. OmnisMares. S.R.L.

Tuesday, August 27, 17:40 – 18:00

CLOSING & AWARD CEREMONY

Central Site - Cafeteria Auditorium

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