



THURSDAY, 25 AUGUST		
09:00 – 10:00	Registration Coffee	CMU Central Site Hall
10:00-10:15	Welcome message: Cornel Panait, President of the Constanta Maritime University Senate Violeta Vali Ciucur, Rector of Constanta Maritime University	CMU Central Site Auditorium
10:15-12:45	Plenary Session Chairs: Paul SCHIOPU, George CARUNTU	CMU Central Site Auditorium
12:45-13:00	Visit of the CMU platform for radiating systems characterization	CMU Central Site Room P010
13:00 13:30	Transfer from CMU Central Site to CMU Nautical Training Center	CMU Central Site
13:30-15:30	Lunch	CMU Nautical Training Site
15:30-16:45	Chair: Marian VLADESCU Session 1	CMU Nautical Training Site Room A
	Chair: Razvan TAMAS Session 2	CMU Nautical Training Site Room B
16:45-17:05	Coffee break	CMU Nautical Training Site
17:05-17:55	Chair: Marian VLADESCU Session 1	CMU Nautical Training Site Room A
	Chair: Razvan TAMAS Session 2	CMU Nautical Training Site Room B
19:00	Dinner	CMU Nautical Training Site
FRIDAY, 26 AUGUST		
07:30-09:00	Breakfast	CMU Nautical Training Site
09:00-10:40	Chair: Mona MIHAILESCU Session 3	CMU Nautical Training Site Room A
	Chair: Stefania BUCUCI Session 4	CMU Nautical Training Site Room B
10:40-11:00	Coffee break	CMU Nautical Training Site
11:00-13:05	Chair: Mona MIHAILESCU Session 3	CMU Nautical Training Site Room A
	Chair: Stefania BUCUCI Session 4	CMU Nautical Training Site Room B
13:05-13:30	Chair: Cosmin DANISOR Session 3	CMU Nautical Training Site Room A
	Chair: Andreea PLATICA Session 4	CMU Nautical Training Site Room B
13:30-15:30	Lunch	CMU Nautical Training Site
15:30-16:45	Chair: Gheorghe BREZEANU Session 5	CMU Nautical Training Site Room A
	Chair: Mirel PAUN Session 6	CMU Nautical Training Site Room B
16:45-17:05	Coffee break	CMU Nautical Training Site
17:05-17:30	Chair: Gheorghe BREZEANU Session 5	CMU Nautical Training Site Room A
	Chair: Mirel PAUN Session 6	CMU Nautical Training Site Room B

17:30-18:00	Chair: Cosmin DANISOR	<u>Session 5</u>	CMU Nautical Training Site Room A
	Chair: Andreea PLATICA	<u>Session 6</u>	CMU Nautical Training Site Room B
19:00		Dinner	CMU Nautical Training Site

SATURDAY, 27 AUGUST

07:30-09:00		Breakfast	CMU Nautical Training Site
09:00-11:05	Chair: Adrian TULBURE	<u>Session 7</u>	CMU Nautical Training Site Room A
	Chair: Alin DANISOR	<u>Session 8</u>	CMU Nautical Training Site Room B
11:05-11:25		Coffee break	CMU Nautical Training Site
11:25-12:15	Chair: Adrian TULBURE	<u>Session 7</u>	CMU Nautical Training Site Room A
	Chair: Alin DANISOR	<u>Session 8</u>	CMU Nautical Training Site Room B
12:15-13:10	Chair:	<u>Session 7</u>	CMU Nautical Training Site Room A
	Chair:	<u>Session 8</u>	CMU Nautical Training Site Room B
13:10-14:05	Chair:	<u>Session 7</u>	CMU Nautical Training Site Room A
	Chair:	<u>Session 8</u>	CMU Nautical Training Site Room B
14:05-15:30		Lunch	CMU Nautical Training Site
18:30-19:00		Paper Awards & Closing Session	CMU Nautical Training Site
19:00		Dinner	CMU Nautical Training Site

SUNDAY, 28 AUGUST

08:00-09:00		Breakfast	CMU Nautical Training Site
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CMU Central Site:

Address: str. Mircea cel Batran, nr. 104
GPS coordinates: 44.18281249535284,
28.650919626199855



CMU Nautical Training Site:

Address: str. Cuartului nr. 2
GPS coordinates: 44.21586923925318,
28.61911699223871



Thursday, August 25

10:15-12:45
Plenary Session

Chairs: Paul SCHIOPU, George CARUNTU

10:15-10:45	OMN200-80 Title: To Bridge Microwave and Visible Light: THz Research in SIA, Prof. Feng Qi , Key Laboratory of Opto-Electronic Information Processing, Chinese Academy of Sciences, China; Institutes for Robotics and Intelligent Manufacturing, Chinese Academy of Sciences, China; University of Chinese Academy of Sciences, Beijing China; Shenyang Institute of Automation, Chinese Academy of Sciences, China
10:45-11:15	OMN200-113 Title: Schottky diode on Silicon Carbide (SiC) – ideal detector for very wide temperature range sensors, Prof. Gheorghe Brezeanu , G. G. Pristavu, F. Draghici, University Politehnica Bucuresti, Romania
11:15-11:45	OMN200-129 Title: Quantum magic: technologies for the 21st century, Dr. Radu Ionicioiu , National Institute for Nuclear Physics (IFIN-HH), Romania
11:45-12:15	OMN200-130 Title: Artificial Intelligence and Quantum Computing for Earth Observation: Status and Perspectives, Prof. Mihai Datcu , University "Politehnica" of Bucharest, Romania
12:15-12:30	Project presentation: Multiscale Sensing for Disease Monitoring in Vineyard Production Assoc. Prof. Mihaela Hnatiuc , Electromechanical Faculty, Constanta Maritime University, Constanta, Romania
12:30-12:45	State-of-the-art facilities for radiating systems characterization at Constanta Maritime University Prof. Razvan D. Tamas – Head of the Department of Electronics and Telecommunications, Constanta Maritime University, Romania
12:45-13:00	Visit of the CMU platform for radiating systems characterization

15:30-17:55
Session 1 and Session 2

	<u>Session 1</u> Room A	<u>Session 2</u> Room B
CHAIRS	Chair: Marian VLADESCU	Chair: Razvan TAMAS
15:30-15:55	OMN200-36 Title: Thermal number influence on the quantum teleportation of a thermal Gaussian state, Dr. Alexei Zubarev , National Institute for Laser, Plasma and Radiation, M. Cuzminschi, A. Isar, <i>Horia Hulubei</i> National Institute of Physics and Nuclear Engineering, <i>Oral</i>	OMN200-104 Title: The influence of the azo-chromophore type on the supramolecular azopolyimide films properties used as substrates for flexible electronic devi, Dr. Iuliana Stoica , I. Sava, I. Butnaru, R. Albu, A. Barzic, "Petru Poni" Institute of Macromolecular Chemistry, Iasi, <i>Oral</i>
15:55-16:20	OMN200-35 Title: Study of charge density waves generated in strongly coupled highly dissipative Josephson junctions arrays,	OMN200-76 Title: Photophysical and electrical properties of poly (3,4ethylenedioxythiophene)/ cucurbit[7]uril) polypseudorotaxane,

	Dr. Alexei Zubarev , INFLPR, M. Cuzminschi, <i>Horia Hulubei</i> National Institute of Physics and Nuclear Engineering, <i>Oral</i>	Dr. Mihai Asandulesa , A. Resmerita, A. Farcas, Petru Poni Institute of Macromolecular Chemistry, <i>Oral</i>
16:20-16:45	OMN200-37 Title: Pd/TiO ₂ porous layers in SAW sensors for room temperature hydrogen detection, Dr. Cristian Viespe , I. Constantinoiu, National Institute of Laser, Plasma and Radiation Physics (Romania), <i>Oral</i>	OMN200-103 Title: Dielectric laser acceleration by TPP fabricated microstructures for ultrarelativistic electrons, Mr. Petru-Vlad Toma , B. Călin, M. Zamfirescu, INFLPR (Romania), <i>Oral</i>
16:45-17:05	Coffee Break	
17:05-17:30	OMN200-95 Title: Selecting multiple communication technologies in IoT platforms, Ms. Ana-Maria Claudia Dragulinescu , I. Marcu, Marius Vochin, UPB (Romania), <i>Oral</i>	OMN200-33 Title: Fast speech encryption algorithm based on Arnold 3D chaotic system, Dr. Corina Nitu , M. Răducanu, D. Cheroiu, Faculty of Electronics, Telecommunications and Information Technology, POLITEHNICA University of Bucharest, <i>Oral</i>

Friday, August 26

09:00-13:30

Session 3 and Session 4

	Session 3 Room A	Session 4 Room B
CHAIRS	Chair: Mona MIHAILESCU	Chair: Stefania BUCUCI
09:00-09:25	OMN200-107 Title: Polyanilines Coated Polystyrene Core-Shell Composites: Synthesis, Morphology and Conductivity Studies, Dr. Ana M Solonaru , "Petru Poni" Institute of Macromolecular Chemistry, Iasi, <i>Oral</i>	OMN200-48 Title: Machine learning tests for data mining in engineering, Dr. Emil M. Oanta , Univ Maritima din Constanta, B. Menabil, Autoklass Constanta, <i>Oral</i>
09:25-09:50	OMN200-55 Title: Supramolecular networks based on PEG and PEDOT cross-linked polyrotaxanes as electrical conductive materials, Dr. Ana-Maria Resmerita , M. Balan-Porcarasu, A. Farcas, "Petru Poni" Institute of Macromolecular Chemistry, Iasi, <i>Oral</i>	OMN200-49 Title: Data management in original software development for hybrid models, Dr. Emil M. Oanta , Univ Maritima din Constanta, B. Menabil, Autoklass Constanta, <i>Oral</i>
09:50-10:15	OMN200-99 Title: Quantum technology's role in cybersecurity, Mr. Dan-Alexandru Teodoraș , E. Popovici, University Politehnica of Bucharest, G. Suciu, M. Sachian, Beia Consult International (Romania); <i>Oral</i>	OMN200-51 Title: Physical security risk management and enhancements, Mr. Cristian Opris , S. Axinte, G. Petrica, Univ Politehnica of Bucharest, <i>Oral</i>
10:15-10:40	OMN200-15 Title: Methods to improve wind turbine control Ms. Carmen Dumitrescu , M. Dordescu, C. Drăgan, Maritime University of Constanta, (Romania), <i>Oral</i>	OMN200-52 Title: Advanced precision farming techniques employing WSN and UAV, Ms. Roxana Roscaneanu , C. Bălăceanu, R. Streche, F. Osiac, E. Hanganu, I. Marcu, A. Drăgulinescu, G. Suciu Jr., BEIA, <i>Oral</i>
10:40-11:00	Coffee Break	
11:00-11:25	OMN200-47 Title: Steps towards Industry 4.0 in the Danube region, Mr. Theodor Bratu , BEIA Consult International, <i>Oral</i>	OMN200-65 Title: Evaluation of SAR tomographic processing algorithms on Sentinel-1 images dataset, Mr. Cosmin Danisor , I. Vasile, Politehnica University of Bucharest, <i>Oral</i>
11:25-11:50	OMN200-58 Title: Development of an IoT Integrated Decision Support System for Romanian Vineyard Management, Ms. Camelia Moraru , O. Orza, C. Bosoc, C. Balaceanu, G. Suciu, Beia Consult International, <i>Oral</i>	OMN200-98 Title: An iterative Wiener filter for the identification of impulse responses with particular symmetric properties, Dr. Laura-Maria Dogariu , J. Benesty, INRS-EMT, University of Quebec (Canada); C. Paleologu , S. Ciochina, University Politehnica of Bucharest, <i>Oral</i>
11:50-12:15	OMN200-75 Title: Implementation of the Arrowhead Framework with the Beia-IoT tool, Mr. Cristian Beceanu ,	OMN200-115 Title: A review of redundancy in PLC-based systems, Dr. Calin Bira , A. Simion, Univ Politehnica of Bucharest, <i>Oral</i>

	Beia Consult international, <i>Oral</i>	
12:15-12:40	OMN200-106 Title: sensor data processing subsystem for a diet management application, Mr. Calin Turcanu , L. Marcu, G. Suciu Jr., BEIA Consult International, <i>Oral</i>	OMN200-84 Title: Low-cost wireless home automation solution using multiple ESP32 SoCs, Mr. Robert-Valentin ENE , Calin Bira, Univ. Politehnica of Bucharest, <i>Oral</i>
12:40-13:05	OMN200-117 Title: Location feedback for touch sensor made of Velostat material, Mr. Cristian - Ovidiu Opris , “Politehnica” University of Bucharest, <i>Oral</i>	OMN200-116 Title: Cost-effective platform to characterize light sources, Mr. Valentin Gabriel Voiculescu , A. Marcu, C. Bira, Univ Politehnica of Bucharest, <i>Oral</i>
13:05-13:10	OMN200-4 Title: Heat transfer analysis when using Al ₂ O ₃ –water nanofluid in a double pipe heat exchanger with parallel flow arrangement, Dr. Feiza Memet , Constanta Maritime University, <i>Poster</i>	OMN200-25 Title: Construction and alignment of a Sagnac-based entanglement source, <u>Prof. Mona Mihailescu</u> , V. Dosan , Univ Politehnica of Bucharest A. Naziru, Extreme Light Infrastructure – Nuclear Physics, Măgurele, R. Ionicioiu, Horia Hulubei Institute of Physics and Nuclear Engineering, <i>Poster</i>
	Session 3 Room A	Session 4 Room B
CHAIRS	Chair: Cosmin DANISOR	Chair: Andreea PLATICA
13:10-13:15	OMN200-5 Title: Theoretical analysis of the performance improvement of a single stage vapour compression refrigeration system when using a nanorefrigerant instead of the pure refrigerant, Dr. Feiza Memet , Constanta Maritime University, <i>Poster</i>	OMN200-21 Title: The intelligent system for water pollution monitoring, Ms. Mihaela E. Hnatiuc , D. Kapsamun D.D.S., G. Ifrim D.D.S., A. Sabau, Univ Maritima din Constanta, <i>Poster</i>
13:15-13:20	OMN200-91 Title: Fuel burn reduction in comercial aviation using Mathematical Morphology, Mr. Dumitru Abrudan , A. Drăgulinescu, R. Preda, N. Vizireanu, University Politehnica of Bucharest, Bucharest, <i>Poster</i>	OMN200-10 Title: Overview of a double acting cylinder with in and out piston rod, Mr. Tiberiu Axinte , L. Calancea, Research and Innovation Center for Navy (Romania), C. Dragomir, C. Nutu, Constanta Maritime University, <i>Poster</i>
13:20-13.25	OMN200-101 Title: Reconfigurable FPGA application for real time control of industrial robots, Prof. Adrian Tulbure , Univ 1 Decembrie 1918 din Alba Iulia, <i>Poster</i>	OMN200-120 Title: Photoluminescence Properties of New Dinuclear [Eu(μ ₂ -OC ₂ H ₅)(btfa)(NO ₃)(phen)] ₂ phen and Mononuclear Eu(TTA) ₃ (Ph ₃ PO) ₂ Complexes, Ms. Olga Bordian , Ministry of Education and Research (Moldova); I. Culeac, <u>Victor Verlan</u> , M. Iovu, Institut of Applied Physics (Moldova); A. Semchenko, F. Skorina, Gomel State University (Belarus), <i>Poster</i>
13.25-13.30	OMN200-16 Title: The voltage influence on the radiative power spectrum levels of Gunn dioda in the microwave cavity resonator Prof. Constantin C. Hutanu , Univ 1 Decembrie 1918 din Alba Iulia, <i>Poster</i>	OMN200-53 Title: Antenna design and optimization for Terahertz applications, Mr. Adrian Tufan , Stefania C. Bucuci, Constanta Maritime University, <i>Poster</i>

15:30-18:00
Session 5 and Session 6

	Session 5 Room A	Session 6 Room B
CHAIRS	Chair: Gheorghe BREZEANU	Chair: Mirel PAUN
15:30-15:55	OMN200-85 Title: Surface States and Size Effects in Semiconductor Wires of Bi _{1-x} Sb _x Topological Insulators, Prof. Albina Nikolaeva , Ghitu Institute of Electronic Engineering and Nanotechnologies (Moldova), <i>Oral</i>	OMN200-63 Title: Low-complexity data-reuse RLS algorithm with increased robustness features, Mr. Ionuț-Dorinel Fîciu , C. Stanciu, C. Elisei-Iliescu, C. Anghel, C. Paleologu, University Politehnica of Bucharest J. Benesty, INRS-EMT, University of Quebec (Canada), <i>Oral</i>
15:55-16:20	OMN200-119 Title: Tailoring the functional perovskite thin films through strain engineering, Dr. Nicu Scarisoreanu , F. Andrei, National Institute for Laser, Plasma and Radiation Physics, Fotoplasmat Center (C400) and Laser Department, Magurele, <i>Oral</i>	OMN200-67 Title: Multi-layer encryption flexible integrating algorithm, Dr. Emil M. Oanta , Univ Maritima din Constanta, I. Priescu, TUV Hessen (Germany); C. Apostolescu, 'Politehnica' University of Bucharest, <i>Oral</i>
16:20-17:45	OMN200-60 Title: Comparison between various structures of dilute-nitride InGaAsN quantum well lasers in terms of their main electronic properties, Mr. Andrei Dragulinescu , Univ Politehnica Bucuresti, M. Dumitrescu, Tampere University of Technology (Finland), <i>Oral</i>	OMN200-68 Title: Randomness testing original software instrument, Dr. Emil M. Oanta , Univ Maritima din Constanta, I. Priescu, TUV Hessen (Germany); C. Apostolescu, 'Politehnica' University of Bucharest, <i>Oral</i>
16:45-17:05	Coffee Break	
17:05-17:30	OMN200-128 Title: Classification of Danube Delta Boundaries by Using Machine Learning Algorithms on Co-registered Sentinel-1 and Optical Images, Mobina Keymasi , University Politehnica of Bucharest, <i>Oral</i>	OMN200-87 Title: Embedded Platform Characterization for Interface Throughput and Computing Power in Common 8/16/32-bit Platforms, Dr. Calin Bira , A. Simion, V. Voiculescu, Univ Politehnica of Bucharest, <i>Oral</i>
17:30-17:35	OMN200-69 Title: Harmonics emission with nanosecond and femtosecond lasers in air. Harmonics effects on optical fibers, Ms. Georgiana C Vasile , M. Stafe, C. Negutu, N. N. Puscas, University "Politehnica", R. Mihalcea, INFLPR, <i>Poster</i>	OMN200-1 Title: Expanding on the concept of quality Author C. Nutu , Constanta Maritime Univ, T. Axinte, Research and Innovation Center for Navy (Romania), <i>Poster</i>
	Session 5 Room A	Session 6 Room B
CHAIRS	Chair: Cosmin DANISOR	Chair: Andreea PLATICA
17:35-17:40	OMN200-118 Title: Developing a complete PLM system in cybersecurity conditions, Prof. Alexandra Raicu , G. Raicu, Constanta Maritime University, <i>Poster</i>	OMN200-2 Title: Communication with nature based on a combined multiplicative/ additive encryption model. Expanding on the concept of fractal, C. Nutu , Constanta Maritime Univ, T. Axinte, Research and Innovation Center for Navy (Romania), <i>Poster</i>

17:40-17:45	OMN200-22 Title: Comparative studies for YOLOv4 target tracking algorithm performance, Mr. Aurel Constantinescu , Rodica Constantinescu, Mihai Constantinescu, University POLITEHNICA of Bucharest, <i>Poster</i>	OMN200-56 Title: Experimental test rig for oil film thickness study, Dr. Ionuț Cristian Românu , Ioan-Cozmin Manolache-Rusu, I. Muscă, G. Ciornei, “Ștefan cel Mare” University of Suceava (Romania), <i>Poster</i>
17:45-17:50	OMN200-39 Title: Load balancing in parallel computing: an evolutionary approach, Dr. Simona Dinu , G. Raicu, Constanta Maritime University, Faculty of Navigation and Naval Transport, Romania, <i>Poster</i>	OMN200-23 Title: Optical properties of cell compartments by holographic microscopy, <u>Prof. Mona Mihailescu</u> , E. Scarlat, A. Pleava, M. Ungureanu, R. Negoita , M. Morega, Univ Politehnica of Bucharest, V. Calin, M. Moiescu, T. Savopol, University of Medicine and Pharmacy Carol Davila, I. Paun, INFLPR, <i>Poster</i>
17:50-17:55	OMN200-40 Title: A Particle Swarm-based procedure for task allocation in Cyber-Physical Systems, Dr. Simona Dinu , G. Raicu, Constanta Maritime University, Faculty of Navigation and Naval Transport, Romania, <i>Poster</i>	OMN200-24 Title: Signatures of irradiated cells from hyperspectral images, <u>Prof. Mona Mihailescu</u> , R. Negoita , M. Ungureanu, A. Pleava, E. Scarlat, Politehnica University Bucharest, R. Popescu, M. Tudor, Institute for Physics and Nuclear Engineering, D. Savu, Department of Life and Environmental Physics, <i>Poster</i>
17:55-18:00	OMN200-46 Title: Class template – primary approach for the flexible dynamic memory allocation in hybrid modelling software development, Dr. Emil M. Oanta , A. Pescaru, Univ Maritima din Constanta, <i>Poster</i>	OMN200-62 Title: Thermal investigations on LED modules realized using solderless assembly for electronics technology, Dr. Ciprian V. Ionescu , Univ Politehnica din Bucuresti, <i>Poster</i>

SATURDAY, 27 AUGUST

09:00-14:00
Session 7 and Session 8

	Session 7 Room A	Session 8 Room B
CHAIRS	Chair: Adrian TULBURE	Chair: Alin DANISOR
09:00-09:25	OMN200-108 Title: Improvement of biomedical images for better outcomes, Dr. Florin Toadere , INCDTIM Cluj Napoca <i>Oral</i>	OMN200-42 Title: Design and study of RF links, Ms. Maria Dragan , D. Brinaru, S. Halunga, University Politehnica of Bucharest, <i>Oral</i>
09:25-09:50	OMN200-61 Title: Smart textile with optical goniometer, Ms. Raluca-Diana Șandru , A. Dragulinescu, Ana-Maria Drăgulinescu, Univ Politehnica Bucuresti (Romania), <i>Oral</i>	OMN200-45 Title: RFID sensitivity in narrowband jamming environment, Dr. Madalina Berceanu , Prof. Octavian Fratu, E. Stancu, S. Halunga, Univ Politehnica of Bucharest, <i>Oral</i>
09:50-10:15	OMN200-100 Title: Head related transfer function measurement in reverberant rooms, Mr. Victor Popa , University Politehnica of Bucharest, <i>Oral</i>	OMN200-50 Title: Vulnerabilities of Windows systems through Wi-Fi infrastructure, Mr. Mădălin Popescu , C. Capotă, I. Țene, M. Găină, S. Halunga, Universitatea Politehnica București, <i>Oral</i>
10:15-10:40	OMN200-81 Title: Non-calibrated free space materials characterization by frequency analyzer and spot focusing lens, Dayou Liu, Prof. Feng Qi , Yahui Liu, Shenyang Institute of Automation, Chinese Academy (China), <i>Oral</i>	OMN200-74 Title: 5G networks and IoT for traffic management, Ms. Mari-Anais Sachian , R. Bratulescu, G. Suciu, R. Vatasoiu, V. Cristea, R. Kec, BEIA Consult International, <i>Oral</i>
10:40-11:05	OMN200-30 Title: Statistical analysis of the compositions of insulating plasters with aerogel, Dr. Camelia Gavrilă , L. Melita, Technical University of Civil Engineering, Bucharest (Romania), <i>Oral</i>	OMN200-43 Title: Control room design for subjective audio critical listening Mr. Bogdan Morosanu , V. Popa, C. Negrescu, I. Ficiu, Politehnica University of Bucharest (Romania), <i>Oral</i>
11:05-11:25	Coffee Break	
11:25-11:50	OMN200-38 Title: Traffic sniffing in wireless communication, using Kali Linux and Wireshark, Mr. Mihai Alexandru Gaina , M. Popescu, S. Halunga, R. Preda, N. Vizireanu, University "Politehnica" of Bucharest, <i>Oral</i>	OMN200-97 Title: Low correlation spreading codes for MUSA systems, Ms. Carmen Florea , <u>M. Berceanu</u> , A. Badea, O. Fratu, University Politehnica of Bucharest, <i>Oral</i>
11:50-12:15	OMN200-29 Title: challenges in identifying and direction finder of electronic equipment in indoor environment, on mobile standards, Mr. Cristian Nicolae Capota , S. Halunga, O. Fratu, University Politehnica of Bucharest, <i>Oral</i>	OMN200-28 Title: Enhancement of reliability in Internet of Things based on big data environment using the Artificial Intelligence algorithm, Mr. Seyed Salar Sefati , S. Halunga, Politehnica University of Bucharest, <i>Oral</i>
	Session 7 Room A	Session 8 Room B
CHAIRS	Chair: Simona HALUNGA	Chair: Octavian FRATU

12:15-12:20	OMN200-17 Title: Software-defined ground-based synthetic aperture radar interferometry, Dr. Mirel Paun , Constanta Maritime University, <i>Poster</i>	OMN200-14 Title: A novel electronic switch for VHF/UHF low cost radars, Ms. Andreea Furtuna , M. Pastorcici, R. D. Tamas, Constanta Maritime University, M. Balanescu, V. Suci, G. Suci, BEIA Consult International, <i>Poster</i>
12:20-12:25	OMN200-79 Title: Complex-valued convolutional neural network for terahertz image classification, Prof. Feng Qi , Nairui Hu, Shenyang Institute of Automation, Chinese Academy, (China), <i>Poster</i>	OMN200-32 Title: Advantages of Replacing Conventional Transistors with Gallium Nitride Transistors in Power Devices of Electric Vehicle, Mr. Radu-Petru Fotescu , L. Burciu, R. Constantinescu, B. Alexandrescu, University Politehnica Bucharest, <i>Poster</i>
12:25-12:30	OMN200-18 Title: Underwater acoustic monitoring sensors network, Dr. Mirel Paun , Constanta Maritime University, <i>Poster</i>	OMN200-13 Title: The influence of the exploitation of uranium deposits on the soil and vegetation, Dr. Ana-Maria Hossu , Valahia Univ of Targoviste, <i>Poster</i>
12.30-12.35	OMN200-19 Title: Impact Reduction of Common Mode Currents for Field Measurements on a Meandered Monopole Ms. Andreea Violeta Caragata , A. Constantin, R. Tamas, Constanta Maritime University (Romania), <i>Poster</i>	OMN200-111 Title: Obstacle avoidance fuzzy system for mobile robot with IR sensors, Author Preference: <i>Poster</i> Ms. Oscoboinic Sebastian Fabian Jr. , Mihaela E. Hnatiuc, Univ Maritima din Constanta, <i>Poster</i>
12.35-12.40	OMN200-44 Title: Assessing the Vulnerability of Marine Ecosystems in the Context of Climate Change, Prof. Mariana I. Panaitescu , F. Panaitescu, Univ Maritima din Constanta, F. Vasilica, V. Panaitescu, Politehnica University, <i>Poster</i>	OMN200-93 Title: Fresh juice pH evaluation using visible spectrometry, Ms. Ioana Potarniche , R. Galatus, U.T. Cluj-Napoca, <i>Poster</i>
12.40-12.45	OMN200-124 Title: Studies on technologies with zero emissions tested and implemented on board ships, Violeta-Vali Ciucur , Univ Maritima din Constanta, <i>Poster</i>	OMN200-112 Title: Close-range indoor transmitter localization using a system of low-cost SDR receivers, Dr. Calin Bira , C. Vasile, Univ Politehnica of Bucharest, <i>Poster</i>
12.45-12.50	OMN200-6 Title: Covid-19 Approved Mask Detection using Mathematical Morphology, Dumitru Abrudan , Ana-Maria Drăgulinescu, N. Vizireanu, R. Preda, Telecommunications Department, University Politehnica of Bucharest, <i>Poster</i>	OMN200-31 Title: Advantages of Comparing Radio Frequency Communication Modules, Ms. Loredana-Maria Burciu , R. Fotescu, R. Constantinescu, B. Alexandrescu, University Politehnica, <i>Poster</i>
12.50-12.55	OMN200-123 Aspects of using optical commands for galvanic isolation in industrial applications, Drumea Andrei , Universitatea Politehnica din Bucuresti, <i>Poster</i>	OMN200-41 Title: Security in remote access, based on Zero Trust Model concepts and SSH authentication with signed certificates, Ms. Cristina-Raluca Iță , R. Constantinescu, A. Vlădescu, B. Alexandrescu, University Politehnica of Bucharest, <i>Poster</i>
12.55-13:00	OMN200-125 Title: Datalogging embedded module with flexible solar panel supply, Drumea Andrei , Universitatea Politehnica din Bucuresti, <i>Poster</i>	OMN200-7 Title: Considerations for Increasing the Durability of the Main Shafts of Wind Turbine, Prof. Mariana I. Panaitescu , F. L. Panaitescu, P. Panait, Univ Maritima din Constanta, <i>Poster</i>

13:00-13.05	OMN200-126 Title: Aspects of optical and inductive displacement sensors for industrial applications, Drumea Andrei , Universitatea Politehnica din Bucuresti, <i>Poster</i>	OMN200-70 Title: Contributions regarding the simulation of the optimization of the operation mode in a container terminal, Prof. Mariana I. Panaitescu , F. Panaitescu, R. Daineanu, D. Dinu, Univ Maritima din Constanta, <i>Poster</i>
13.05-13.10	OMN200-57 Title: Surface roughness investigation of CNC pocket milling of hardwood beech, Dr. Ioan Tamaşag , Ioan-Cozmin Manolache-Rusu, I. Beşliu-Băncescu, “Ştefan cel Mare” University of Suceava (Romania), <i>Poster</i>	OMN200-78 Title: The dynamics of a maritime container terminal complex system: optimization process design, Prof. Mariana I. Panaitescu , R. Daineanu, M. Zus, F. Panaitescu, D. Dinu, Univ Maritima din Constanta, <i>Poster</i>
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CHAIRS	Chair: Ionut-Romeo SCHIOPU	Chair: Rodica CONSTANTINESCU
13.10-13.15	OMN200-71 Title: Detection of movements associated with epileptic seizures using inertial sensors, Mr. Florin Oprea , Ana I. Dumitrascu, Constanta Maritime Univ., <i>Poster</i>	OMN200-90 Title: The performance of complex spreading codes within a Massive MIMO OFDM-based system with relays, Ms. Madalina-Georgiana Berceanu , C. Florea, R. Craciunescu, University Politehnica of Bucharest, <i>Poster</i>
13.15-13.20	OMN200-8 Title: The physicochemical characteristics of the Ialomita River in Dambovita county, Dr. Ionica Ionita , Univ Valahia din Targoviste online, <i>Poster</i>	OMN200-26 Title: Low Drop Voltage Step-Down Converter for Industrial Automation and Operation, Dr. Sinte Sorin , B. Hnatiuc, M. Hnatiuc, V. Pomazan, C. Pomazan, Constanta Maritime University, <i>Poster</i>
13.20-13.25	OMN200-9 Title: Evaluation of the antibacterial activity of some doped phosphocalcic glasses with silver and copper, Dr. Ionica Ionita , Univ Valahia din Targoviste, <i>Poster</i>	OMN200-27 Title: Audio message IOT devices for industrial automation and operation, Dr. Sinte Sorin , B. Hnatiuc, M. Hnatiuc, C. Pomazan, Constanta Maritime University, V. Pomazan, Ovidius University, <i>Poster</i>
13.25-13.30	OMN200-20 Title: Use of neural networks to optimize biological treatment processes, Ms. Carmen Dumitrescu , M. Dordescu, Maritime University of Constanta, <i>Poster</i>	OMN200-64 Title: Performance of exhaust gas recovery units for marine engines, Mr. Liviu-Constantin D. Stan , Constanta Maritime University, <i>Poster</i>
13.30-13.35	OMN200-12 Title: Study of (GaxIn1-x)2O3 thin films produced by aerosol deposition method, Mr. Vadim Morari , E. Rusu D. Ghitu Institute of Electronic Engineering and Nanotechnologies (Moldova), V. Zalamai, I. Tiginyanu, V. Ursaki, Technical University of Moldova, P. Colpo, European Commission, Joint Research Centre (JRC) (Italy), <i>Poster</i>	OMN200-73 Title: Analysis and simulation of a MEMS based accelerometer used to monitor the movement of a sea waves, Dr. Valerica Baban , Dănuţ Argintaru, Eliodor Constantinescu, Constanta Maritime Univ, <i>Poster</i>
13.35-13.40	OMN200-34 Title: Quantum interference and surface states transport in Bi and Bi0.83Sb0.17 nanowires, Dr. Leonid Konopko , A. Nikolaeva, Ghitu Inst. of Electronic Engineering	OMN200-88 Title: Variation of the sauter mean diameter depending on air speed at injection in SIE, Mr. Marius Constantin Beniuga , Stefan cel Mare Univ of Suceava, <i>Poster</i>

	and Nanotech (Moldova); T. Huber, Howard University (United States), <i>Poster</i>	
13.40-13.45	OMN200-102 Title: Experimental investigations upon the ultrasonic vibration influence on AdBlue crystallization in Selective Catalytic Reduction (SCR), Mr. Claudiu-Marian Picus , I. Mihai, I. Beșiliu, I. Manolache, Rusu, C. Suciu, Stefan cel Mare Univ, <i>Poster</i>	OMN200-89 Title: Atomization of fuel during operation of sie engines at low temperatures, Mr. Marius Constantin Beniuga , Stefan cel Mare Univ of Suceava; <i>Poster</i>
13.45-13.50	OMN200-105 Title: Experimental investigations upon the occurrence of urea crystallization at AdBlue addition, Mr. Claudiu-Marian Picus , I. Mihai, C. Suciu, Stefan cel Mare University of Suceava (Romania), <i>Poster</i>	OMN200-72 Title: A fast implementation of Schmitt Trigger in Octave and MATLAB, Daria-Andreea Vasile , T. Petrița, Faculty of Electronics, Telecommunications and Information Tehnology, Timișoara, <i>Poster</i>
13.50-13.55	OMN200-86 Title: A Simple One-Dimensional Model for Analysis of a Bipolar Membrane used in Electrodialysis Desalination, Dr. Viorel Ionescu , Ovidius University, Constanta, <i>Poster</i>	OMN200-92 Title: Experimental investigations of micro-contact parameters by aid of micro-indentation and laser profilometry, Dr. CORNEL Suciu , M. Glovnea, I. C. Romanu, Stefan cel Mare University of Suceava, <i>Poster</i>
13.55-14.00	OMN200-59 Title: Characteristics of an In _{0.02} Ga _{0.98} N QW laser at a 462 nm wavelength, Mr. Andrei Dragulinescu , Univ Politehnica Bucuresti, <i>Poster</i>	OMN200-94 Title: Theoretical modeling of the dependence between micro-contact parameters and mechanical properties of contact materials, Dr. Cornel Suciu , M. Glovnea, I. Manolache Rusu, University of Suceava, <i>Poster</i>
14.00-14.05	OMN200-66 Title: Optical spectrum investigations of LED backlight display panels and the blue light hazard, Dr. Marian Vladescu , Alina Elena Marcu, Univ Politehnica of Bucharest, D. Vuza, Institute of Mathematics of the Romanian Academy, <i>Poster</i>	OMN200-82 Title: Metasurface Integrated in Thin Solar Cells for Index Modulation, Dr. Costel Cotirlan Simioniuc, National Institute of Materials Physics, Dr. Ionut Schiopu , Polytechnic University of Bucharest, <i>Poster</i>

18:30 – 19:00 Paper Awards and Closing Session