

CONGRESUL UNIVERSITĂȚII DE MEDICINĂ ȘI FARMACIE “CAROL DAVILA” DIN BUCUREȘTI

24-26 OCTOMBRIE 2024 | *Perspective Interdisciplinare*

SESIUNE PARTENERIATE INTERDISCIPLINARE – prezentări - ARENA / **SESSION OF INTERDISCIPLINARY PARTENERSHIPS – ARENA – presentations**

JOI 24 OCTOMBRIE / THURSDAY, OCTOBER 24th 2024

No.	Presentation time	Autori/Authors	Titlu / Title	Afilieri/ Affiliation
1.	13.00-13.05	Aura Popescu, Nirvana Popescu	Autism – new approaches for automatic interpretation of the affective state	National University of Science and Technology POLITEHNICA Bucharest
2.	13.05-13.10	Asma Channa, Nirvana Popescu, Rares Ifrim, Giuseppe Ruggeri, Nadia Mammone	Cloud-Connected Bracelet for Continuous Monitoring of Parkinson’s Disease Patients	National University of Science and Technology POLITEHNICA Bucharest
3.	13.10-13.15	Baidaa Rashed, Nirvana Popescu	Hybrid ANFIS-GA Approach for Medical Image Diagnosis Enhanced by Deep Network Feature Extraction	National University of Science and Technology POLITEHNICA Bucharest
4.	13.15-13.20	Kevin DOMINEY, Cosmin DUGAN, Mihaela MARIN, Corina Silvia POP, Adrian DINCULESCU, Alexandru NISTORESCU, Ioanina PARLATESCU, Cristian VIZITIU	Exploring Muscle-Computer Interfaces for Therapeutic Assessment in Microgravity: A Deep-Tech Approach to Masticatory Muscle Atrophy	The Space Applications and Technologies Laboratory, Institute of Space Science – INFLPR “Carol Davila” University of Medicine and Pharmacy
5.	13.20-13.25	Alexandru Nistorescu, Adrian Dinculescu, Mihaela Marin, Kevin Dominey, Cristian Vizitiu	Exploring myotonometry specific applications and future perspectives in non-invasive muscle assessment	The Space Applications and Technologies Laboratory, Institute of Space Science – INFLPR
6.	13.25-13.30	Felix Sima, Alexandra Bran, Florin Jipa, Laura Ionel, Stefana Orobeti, Emanuel Axente, Livia E. Sima, Kotaro Obata, Mirai Hanzawa, Hiroyuki Kawano, Koji Sugioka	Tumor-on-chip models for testing cancer cell behavior in tridimensional environments	CETAL, National Institute for Laser, Plasma and Radiation Physics Institute of Biochemistry of Romanian Academy
7.	13.30-13.35	Iulia Antohe, Gabriel Socol	A Fiber Optic- Surface Plasmon Resonance (FO-SPR) sensing tool for biomedical applications	National Institute for Laser, Plasma and Radiation Physics
8.	13.35-13.40	Andreea Mariana Negrescu, Simona Nistorescu, Anca Bonciu, Laurentiu Rusen, Nicoleta Dumitrescu, Cezar Net, Patrick Hoffmann, Gratiela Gradisteanu, Anisoara Cimpean, Valentina Dinca	Alteration in the foreign body response induced by breast implant shell surface topography modification	FOTOPLASMAT center, National Institute for Lasers, Plasma, and Radiation Physics Faculty of Biology, University of Bucharest
9.	13.40-13.45	Mădălina Preda, Loredana Sabina Cornelia Manolescu, Daniela Trandafir, Lăcrămioara Sârbu, Andra Pamfil, Daniela Voinea	IAAM from the perspective of the nurse's role in their management	

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VINERI 25 OCTOMBRIE / FRIDAY, OCTOBER 25th 2024

No.	Presentation time	Autori/Authors	Titlu / Title	Afilieri/ Affiliation
1.	13.15-13.20	Ciprian Zamfirescu Ana-Maria Drăgulescu Daniel Burmaz	The impact of 5G-connected drones, AI and IoT in life-threatening emergencies	National University of Science and Technology POLITEHNICA Bucharest Vodafone
2.	13.20-13.25	Adrian Niță	Medical drone with electric propulsion system for rapid evacuation	Euro-Atlantic Center for Resilience
3.	13.25-13.30	Lucian Gruia Bogdan Ionescu Adrian Popescu	Using Knowledge Graphs and Neural Networks for Enhanced Medical Research and Discovery	National University of Science and Technology POLITEHNICA Bucharest
4.	13.30-13.35	Eduard Marius LUNGULESCU, Nicoleta NICULA	Innovative materials and technologies for health: concerns, challenges and perspectives	National R&D Institute for Electrical Engineering ICPE-CA
5.	13.35-13.40	Monica Tudor, Cristian Munteanu, Gabriela Chiritoiu, Stefana Orobeti, Florin Jipa, Felix Sima, Gary E. Schiltz, Daniela Matei, Livia Sima	Small molecule inhibitors targeting TG2 in ovarian cancer and identification of drug escape pathways	Institute of Biochemistry of Romanian Academy
6.	13.40-13.45	D. Stutman, D. Balabanski, D. Doria, N. Safca, P. Tomassini, C.A. Ur	Research on medical applications of high power lasers at ELI-NP	Extreme Light Infrastructure-Nuclear Physics; Department of Physics & Astronomy, Johns Hopkins University
7.	13.45-13.50	N. Safca, D. Stutman, E. Anghel, C.A. UR	Towards high sensitivity and low dose medical imaging with laser X-ray sources	Extreme Light Infrastructure-Nuclear Physics; Department of Physics & Astronomy, Johns Hopkins University
8.	13.50-13.55	C.D.BRANDIBUR, A.DANU M.CHERCIU, A.DOBRIN, A.HERGHELEGIU, M.LINC, A.MANEA, C.RISTEA, A. SEVCENCO, I.STAN	Particle physics meets medical physics	The Space Applications and Technologies Laboratory, Institute of Space Science – INFLPR
9.	13.55-14.00	Petre MIN, Cosmin DUGAN, Bogdan VAMANU	Technical aspects regarding the support of the medical management of exposed people and emergency workers (first responders)	CIPRIERN Center, National Commission for the Control of Nuclear Activities Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering