

S C H E D U L E

of the 9th edition of the International Conference on Space Launching Systems and
21th of the International Conference on Artificial Intelligence applied in the field of Aerospace, Robotics,
Manufacturing Systems, Mechanical Engineering,
Power Systems, Technology of Materials
and Neurorehabilitation

SLS&OPTIROB 2026, 25June-29June 2026
Capitol Hotel, Bucharest,
Romania

Time table	Action	Place
<i>25.06.2025</i>		
17:00-18:00	Registration of participants	Capitol Hotel
<i>26.06.2025</i>		
9:30-10:00	Registration of participants	Capitol Hotel
10:00-10:30	Open Ceremony Introducing the companies, organizations and participants Photo group	Conference room Capitol hotel
10:30-12:00	Presentation of the invited papers	Conference room Capitol hotel
12:00- 12:30	Coffee break	Conference room Capitol hotel
12:30-15:00	Presentation of the regular papers	Conference room Capitol hotel
<i>27.06.2026</i>		
10:00-12:00	Presentation of the invited papers	Conference room Capitol hotel
12:00-12:30	Coffee break	Conference room Capitol Hotel
12:30-15:00	Presentation of the regular papers	Conference room Capitol hotel
<i>28.06.2026</i>		
10:00-13:00	Walking in Bucharest	Bucharest
<i>29.06.2026</i>		
10:00-11:00	Return at home	Bucharest- OTP

All participants must be registration to get their conference documents and invoices
Capitol Hotel, Bucharest

S C H E D U L E

ANC/IACSIT/IACT/SCIEI/AFM/ATINER/UASTRO

International Conferences

on

9th Space Launching Systems

and

21th Artificial Intelligence applied in the fields of

Aerospace, Robotics, Manufacturing Systems, Mechanical Engineering, Technology of Materials, Power Energy and Neurorehabilitation

SLS&OPTIROB 2026

Organized by

National Authority of Qualification

**under the higher tutelage of the Romanian Academy of Technical Sciences,
together with**

International Association of Computer Sciences and Information Technology, IACSIT Singapore,

International Academy of Computer Technology, IACT USA

Science and Engineering Institute, SCIEI USA

France Association of Mechanical Engineering, AFM France

Athens Institute for Education and Research, ATINER Greece

International University Association for Science and Technology, UASTRO Romania

In cooperation with:

Military Equipment and Technologies Research Agency

Henry Coanda Air Force Academy

Nicolae Balcescu Land Forces Academy

National Institute of Developing and Research in Mechatronics and Measurements

Pro Optica Society

University Elias Emergency Hospital

Institute of Solid Mechanics, Romanian Academy

Medicine and Pharmacy University

National Institute for Aerospace Research (INCAS)

Romanian Research & Development Institute for Gas Turbine (COMOTI)

CAPITOL HOTEL, BUCHAREST

25 June- 29 June 2026

25 June 2026 (Thursday)	
17:00- 18:00	Registration of Participants- Capitol Hotel
26 June 2026 (Friday)	
9:30-10:00	Registration of participants
10:00-10:30	Opening Remarks & Photo group - Conference room- Capitol Hotel
10:30-12:00	Conference room- Plenary speech- Capitol Hotel
	Plenary speech 1
	Beyond LLMs: Swarm Intelligence and Decentralized Agentic Orchestration <i>Prof. Dr. Usman Qayyum</i>
	Plenary speech 2
	Filter Design and Fault Diagnosis in Finite Frequency Domain <i>Prof. Dr. Mohammed CHADLI</i>
	Plenary speech 3
	Artificial Intelligence–Driven Modeling and Control of Medical Robotic Systems <i>Prof. Dr. Jjinan CHARAFEDDINE</i>
	Plenary speech 4
	The Digital Transformation of Society: Challenges, Opportunities, and Future Perspectives <i>Prof. Dr. Valentina Balas</i>
12:00-12:30	Coffee break
12:30- 15:00	Regular papers session -Moderators: Prof. Liviu Cosereanu, Prof. Tiberiu Tomoiaga, Prof. Costel Cotet, Prof. Luige Vladareanu, Prof. Adrian Olaru
	1. Markers for Measuring the Sustainability of a Manufacturing Process- <i>Cristian Ionel Păunescu, Mihai Hagiescu, Alexandru Ștefan Velicu</i>
	2. Robust Autonomous Manipulation of Articulated Objects- <i>Aakash Gadh</i>
	3. Multidimensional vision of sustainability in a manufacturing process - <i>C. I. Păunescu, M. Hagiescu, A. Șt. Velicu</i>

27 June 2026 (Saturday)	
10:00-12:00	Conference room- Plenary speech- Capitol Hotel
	Plenary speech 5
	Neuro-Adaptive Predictive Control for Upper-Limb Rehabilitation Using EMG and Quantum-Enhanced Intention Decoding <i>Prof. Dr. Swaminath VENKATESWARAN</i>
	Plenary speech 6
	Intelligent Decision Support Systems of the Autonomous Mobile Robot Vectors applied in Search and Rescue Missions <i>Prof. Dr. Luige Vladareanu</i>
	Plenary speech 7
	Applications of artificial intelligence in the field of medicines <i>Prof. Dr. Sajid Baloch</i>
	Plenary speech 8
	Greenhouses as Hybrid Synergistic Systems <i>Prof. Dr. Marius Balas</i>
	Plenary speech 9
	Dynamic modelling and simulation for control systems using the transfer multipol functions <i>Prof. Dr. Adrian Olaru</i>
12:00-12:30	Coffee break
12:30-15:00	Regular papers session -Moderators: Prof. Liviu Cosereanu, Prof. Tiberiu Tomoiaga, Prof. Costel Cotet, Prof. Luige Vladareanu, Prof. Adrian Olaru
	1. Quantum-Inspired Hybrid - Deep Learning System for Huntington’s Disease Detection via EEG-Integrated Gait Analysis - <i>David Antony A, Brindha D.</i>
	2. Confidence-Weighted Multi-Strategy Sensor Fusion for Real-Time Bathymetric Volume Estimation on Autonomous Surface Vehicles - <i>Bhasha Tyagi, Shivangi Singh, Vamsi Chalamalla</i>
	3. Some next-generation of spindle intelligence: real-time condition monitoring and diagnosis - <i>Claudiu Bisu, Adrian Olaru, Serban Olaru, Niculae Mihai and Hussain Waleed</i>
28 June 2026 (Sunday)	
10:00- 13:00	Walking in Bucharest
29 June 2026 (Monday)	
10:00- 11:00	Return at home

Attention!

All persons must be present one hour before the support work.

Devices provided by the Conference Organizer:

Laptops (with MS-office 2003 & Adobe Reader)

Projectors & Screen

Materials provided by the presenters:

Power Point or PDF files

Duration of each Presentation (Tentatively):

Plenary presentation: 20 minutes of presentation and 5 minutes of Q&A

Regular Oral Session: 10 minutes of presentation and 5 minutes of Q&A

CAPITOL HOTEL BUCHAREST

CONFERENCE ROOM