

S C H E D U L E

of the 8th edition of the International Conference on Space Launching Systems and
20th 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 2025, 26June-30June 2025
Turquoise Hotel, Venus,
Romania

Time table	Action	Place
26.06.2025		
17:00-18:00	Registration of participants and welcome drinks	Turquoise Hotel
27.06.2025		
9:30-10:00	Registration of participants	Turquoise Hotel
10:00-10:30	Open Ceremony Introducing the companies, organizations and participants Photo group	Conference room Turquoise Hotel
10:30-11:30	Presentation of the invited papers and regular papers	Front of the Hotel Conference room Turquoise Hotel
11:30-13:00	Presentation of the invited papers and regular papers	Conference room Majestic Hotel
13:00-15:00	Lunch	Turquoise Hotel Restaurant
15:00-16:30	Presentation of the invited papers and regular papers	Conference room Turquoise Hotel
18:30-21:30	Dinner	Turquoise Hotel Restaurant
28.06.2025		
10:00-11:30	Presentation of the invited papers and regular papers	Front of the Hotel Conference room Turquoise Hotel
11:30-13:00	Presentation of the invited papers and regular papers	Conference room Turquoise Hotel
13:00-15:00	Lunch	Turquoise Hotel Restaurant
15:00-16:00	Presentation of the invited papers	Conference room Turquoise Hotel
16:00-18:30	Social program	Venus
18:30-21:30	Dinner	Turquoise Hotel Restaurant
29.06.2025		
10:00-13:00	Sun and Beach	Venus Beach
30.06.2025		
10:00-11:00	Return to Bucharest	Speed way Venus- Bucharest

All participants must be registration to get their conference documents and invoices
Turquoise Hotel

S C H E D U L E

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

International Conferences

on

8th Space Launching Systems

and

**20th Artificial Intelligence applied in the fields of
Aerospace, Robotics, Manufacturing Systems, Mechanical
Engineering, Technology of Materials, Power Energy
and Neurorehabilitation**

SLS&OPTIROB 2025

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)

TURQUOISE HOTEL, VENUS

26 June- 30 June 2025

26 June 2025 (Thursday)	
17:00- 18:00	Registration of Participants- Turquoise Hotel
27 June 2025 (Friday)	
9:30-10:00	Registration of participants
10:00-10:30	Opening Remarks & Photo group - Conference room- Turquoise Hotel
10:30-13:00	Conference room- Plenary speech- Turquoise Hotel
	Plenary speech 1 UAV today and tomorrow Emanuel Pop- manager of AFT company
	Plenary speech 2 Agentic AI systems Prof. Usman Qayyum
	Plenary speech 3 From concept to firing: developing a throttleable pressure-fed hypergolic family of rocket engine Prof. Florin Mingireanu
	Plenary speech 4 Prediction of solid rocket motor ignition startup process Prof. Liang Guozhu
	Plenary speech 5 Artificial intelligence and machine learning in neurorehabilitation Dr. Ramona Constantinescu
	Plenary speech 6 Artificial intelligence- today and tomorrow Prof. Valentina Balas
13:00-15:00	Lunch
Afternoon, 28 July, 2024 (Friday) Turquoise Hotel conference room	
15:00- 16:30	Regular papers session -Moderators: Prof. Liviu Cosereanu, Prof. Tiberiu Tomoiaga, Prof. Costel Cotet, Prof. Adrian Olaru
	1. Optimizing maintenance activity through zero-based budgeting, the path to sustainability of a productive activity - <i>Cristian Ionel Păunescu, Alexandru Ștefan Velicu, Marius Mocanu and Ștefan Velicu.</i>
	2. Pareto-optimal solutions in the conceptual design of blended wing body aircraft- <i>Arash Jafari, Afshin Banazadeh, Seid H. Pourtakdoust.</i>
	3. Optimization of the production process through digital twin simulation - <i>Scarlat Andrei Daniel, Popa Cicerone Laurentiu, Parpala Radu Constantin, Chiscop Florina, Costel-Emil Cotet.</i>
	4. Modeling and optimization of liquid rocket engine system- <i>Sun Yezhen.</i>
	5. Experimental study of solid rocket motor- <i>Liu YiPing.</i>
	6. The influence of information technology in impact on inventory optimization performance- <i>Mihaela Ciorei.</i>
18:30-21:30	Dinner and UASTRO certificate members
28 June 2025 (Saturday)	
10:30-13:00	Conference room- Plenary speech- Turquoise Hotel
	Plenary speech 7 System based on autonomous vehicles aerial and maritime, for the identification sea mines and support the intervention team in neutralization mission Prof. Vasile Dobref
	Plenary speech 8 UAV design Prof. Afshin Banazadeh
	Plenary speech 9 Electronics with fuzzy control systems Prof. Marius Balas
	Plenary speech 10 Software engineering and some applications Prof. Sajid Baloch
	Plenary speech 11 Comparative analysis of multi-position strapdown azimuth determining schemes Prof. Muhammad Ushaq
	Plenary speech 12 Intelligent decision support systems of the autonomous mobile robot vectors applied in search and rescue missions Prof. Luige Vladareanu
13:00-15:00	Lunch
15:00-16:00	Plenary speech 13 Monitoring the vibration behavior of the machines Prof. Claudiu Bisu
	Plenary speech 14 Artificial Intelligence & software technology applied in robotics Prof. Adrian Olaru

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

**TURQUOISE HOTEL
CONFERENCE ROOM**