

ICASC 2024 CONFERENCE PROGRAM

Wednesday 23.10.2024

9:30 – 10:30 **Registration**

11:00 – 11:10 **Conference Opening Ceremony**

SESSION 1 – Online and onsite

Chairman **Radu Trușcă**

11:15 – 11:45 **Mihnea Dulea**
RO-LCG current status and strategy

11:45 – 12:15 Altex presentation (sponsor)

12:15 – 12:45 **Attila Bende**
Computer modelling of the photochemical properties of molecules and nanostructures

13:00 – 15:00 **Lunch**

SESSION 2 – Online and onsite

Chairman **Attila Bende**

15:00 – 15:20 **Mihai Ciubăncan**
Sharing grid support for ALICE, ATLAS and LHCb at RO-07-NIPNE

15:25 – 15:45 **Ștefan Mihai Știrbu / Rareș Buta**
Application for Modulation Classification based on Deep Learning techniques using PlutoSDR modules

15:50 – 16:10 **István Tóth**
Towards sensing applications of plasmon resonances in gold nanosphere linear arrays

Thursday 24.10.2024**SESSION 3 – Online and onsite****Chairman**

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| 11:00 – 11:20 | Dragoş Zabete New structural upgrades at the CLOUDIFIN site |
| 11:25 – 11:45 | Felix Fărcaş Software improvements at site RO-14-ITIM |
| 11:50 – 12:10 | Andrei Cristian Lupş Building and Managing Cloud Infrastructure with OpenStack |
| 12:10 – 12:30 | Jefte Nagy / Radu Truşcă Automation of thermal processes in a data center. Experimental control using cloud based platform and plc |
| 13:00 – 14:30 | Lunch |

SESSION 4 – Online and onsite**Chairman Emanuel Puşchiţă**

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| 15:00 – 15:20 | George Kovacs Multi-Level Voltage Switching Circuit Design |
| 15:25 – 15:45 | Bogdan Belean / Raluca Nelega Image Processing Techniques for Frequency Band Occupancy Detection in Radio Spectrum |
| 15:50 – 16:10 | Oprea Alexandru Optimized Front-End Circuit Design for High-Frequency Signal Down-Conversion |
| 16:15 – 16:35 | Seham Al Abdul Wahid Quantum Computing Circuit Design: A Tutorial |

Friday 25.10.2024**SESSION 5 – Online**

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| 9:00 – 12:00 | RO-LCG Meeting |
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