



We are pleased to announce that the second edition of The International Conference on Laser, Plasma and Radiation – Science and Technology (ICLPR-ST), organized by INFLPR in partnership with Laser Plasma and Radiation – Science and Technology Association, successfully took place between June 16-21, 2024, in the magnificent scenery of the Danube Delta, Romania.

Our aim was to bring together leading experts, researchers and students working in the fields of lasers, plasma, and radiation physics, thus providing a unique complementary and interdisciplinary environment for sharing and discussing the latest scientific and technological developments. A relevant part was dedicated to thin films and as of this year, **electrochemical processing** was introduced as a new trend in thin film processing. The programme combined the scientific presentations organized as plenary and invited lectures, as well as oral and poster contributions with social activities, promoting active exchange of ideas in a relaxed atmosphere.

The conference accommodated a **workshop** devoted to academic-industry collaborations, where scientific researchers and industrial engineers presented their success stories in terms of technological transfer and new product development. Discussions about protection of intellectual property and the perspectives enabled by the implementation of new emerging solutions in companies took place during the meeting.

A **summer school** was also planned prior to the conference in the same location, and we warmly welcomed students, young researchers and anyone interested in revisiting the fascinating world of lasers, plasma and radiation, guided by renowned scientists in these research areas.

Rewarding our best students was materialized by offering them two best poster and two best presentation awards.

More specific conference details and statistical numbers can be followed in the closing remarks presentation which I am attaching to this letter.

Thank you very much for your support,

Assoc. Univ.-Prof. Dr. Andrei Ionut Mardare

Deputy head of TIM (institute of chemical Technology of Inorganic Materials)

Johannes Kepler University Linz, Altenberger Straße 69, 4040 Linz, Austria

2nd International Conference on Laser, Plasma, and Radiation - Science and Technology



CLOSING
CEREMONY &
AWARDS

June 16-21, 2024
Danube Delta
Romania





ORGANIZED BY

National Institute for Laser, Plasma and Radiation
Physics in partnership with Laser, Plasma and
Radiation – Science and Technology Association



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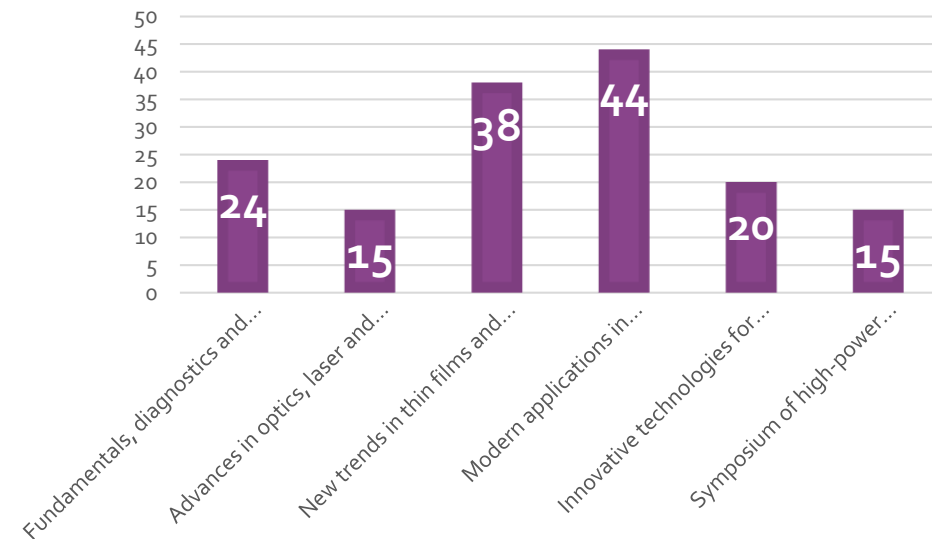
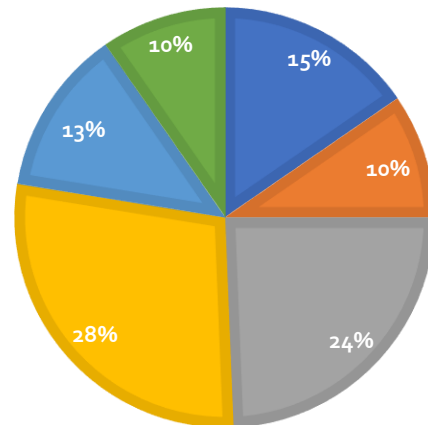
LOCAL ORGANIZING COMMITTEE

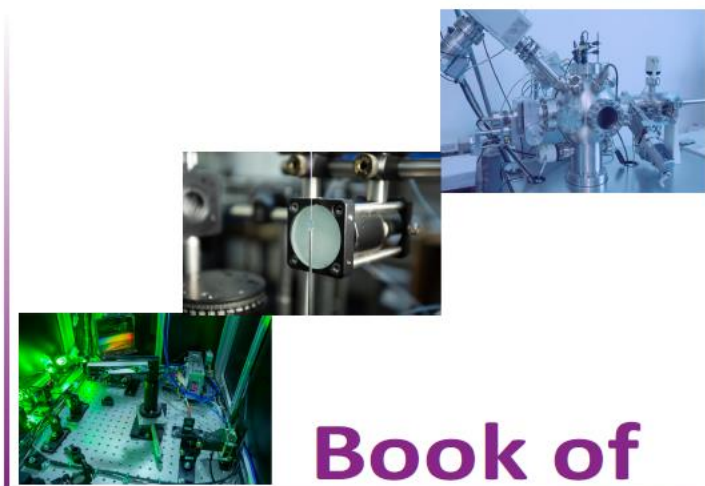
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Conference on a glance

CONFERENCE TOPICS

- Fundamentals, diagnostics and modelling in laser, plasma and radiation physics
- Advances in optics, laser and photonics
- New trends in thin films and nanomaterials synthesis and processing
- Modern applications in environment, life sciences and energy
- Innovative technologies for sustainable future
- Symposium of high-power lasers network





Book of Abstracts

iclpr-st.inflpr.ro

International Conference on Laser, Plasma and Radiation
Science and Technology



June 16-21, 2024
Danube Delta



iclpr-st.inflpr.ro

Number of Pages: 238

ISSN 2821 - 7101

ISSN - L 2821 - 7101

2024 - INFLPR



Conference in numbers

Summer school

- 7 lectures
- 2 students' pitches

Conference

- 3 plenary lectures
- 17 invited lectures
- 36 oral presentations – 11 PhD students
- 102 poster presentations in 2 sessions – 21 of PhD students
- Round table of high-power lasers network

Industrial workshop

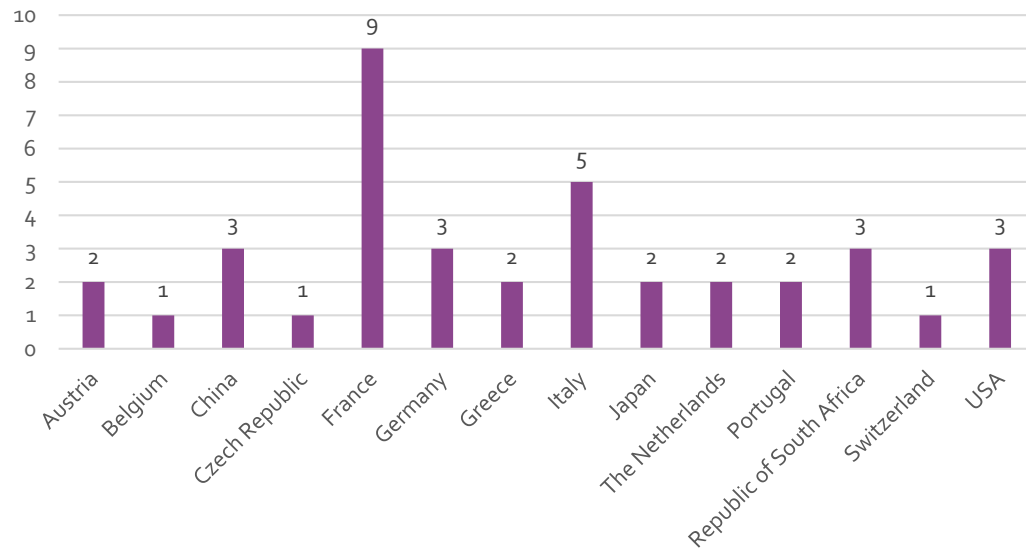
- 13 oral presentations
- Round table - Research - industry collaboration and technological transfer opportunities. Shift towards semiconductors

Sponsor exhibition

- 5 booths

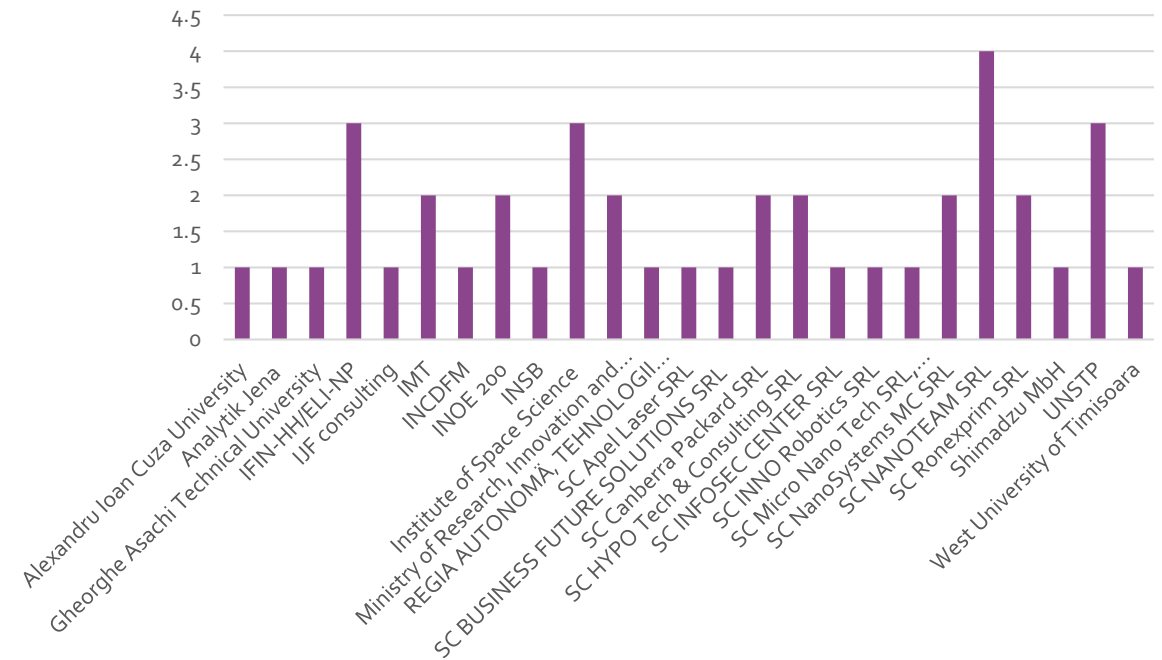
Conference in graphs

Distribution of foreign participants



+135 Romanian participants

Distribution of Romanian participants





BEST POSTER AWARD

is granted to

IOAN MIHAIL GHITIU

for the poster P3.11 entitled *Perovskite thin films ferroelectric domain analysis*

presented during

2nd International Conference on Laser, Plasma and Radiation - Science and Technology



Chairs: V. Craciun 

M. Dinescu 

I.N. Mihailescu 

B. Mitu 



BEST POSTER AWARD

is granted to

ANA MARIA POPA

for the poster P3.08 entitled *Development of a room temperature chemiresistive ammonia gas sensor*, presented during
2nd International Conference on Laser, Plasma and Radiation - Science and Technology



Chairs: V. Craciun 

I.N. Mihailescu 

M. Dinescu 

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BEST PRESENTATION AWARD

is granted to

Lucas Johannes Bartel ERASMUS

for the contribution entitled

Synthesis and modeling of Sm²⁺ doped phosphors in luminescent solar concentrator devices

given during

2nd International Conference on Laser, Plasma and Radiation - Science and Technology



Chairs: V. Craciun 

M. Dinescu 

I.N. Mihailescu 

B. Mitu 



BEST PRESENTATION AWARD

is granted to

Ligia Maria POMARJANSCHI

for the oral presentation entitled

Neural networks for turbulent transport prediction in a simplified model of tokamak plasmas

given during

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We invite you all to
the next edition
June 2026



