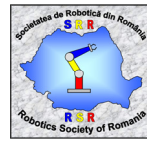


# SYROM 2022



# ROBOTICS 2022

## SYROM & ROBOTICS 2022

The Joint International Conference of  
the 13th IFToMM International Symposium on Science of Mechanisms and Machines (SYROM)  
and the XXV International Conference on Robotics (ROBOTICS)  
Iasi, Romania, November 17 – 18, 2022

### Organized by

Department of Mechanical Engineering,  
Mechatronics and Robotics at “Gheorghe  
Asachi” Technical University of Iasi,  
Romania (TUIASI)

### Under the Patronage of IFTOMM

International Federation for the  
Promotion of Mechanism and Machine  
Science

Technical Committee for Linkages and  
Mechanical Controls

Technical Committee for Robotics and  
Mechatronics

### Conference Chairman

Ioan Doroftei (Romania)

### Conference Co-Chairmen

Mircea Nitulescu (Romania)

Doina Pislă (Romania)

Erwin-Christian Lovasz (Romania)

### With the support of

International Federation for Promotion of  
Mechanism and Machine Science -  
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Romanian Association of Mechanism and  
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Robotics Society of Romania- SRR

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### Organizing Committee

Emil Budescu Florentin Buium

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### Aim

The aim of the joint conference is to bring together researchers, scientists, industry experts and PhD students involved in the general area of mechanisms, mechanical transmissions, robotics and mechatronics, to disseminate their latest research results and exchange views on the future research directions of these fields.

### Topics

We are looking for original, high-quality contributions addressing (but not limited to) the following topics:

**SYROM:** Theoretical and computational kinematics; Mechanism design; Experimental mechanics; Dynamics of machinery; Dynamics of multi-body systems; Mechanisms for biomechanics; Mechanical transmissions; Linkages and mechanical controls; Micro-mechanisms; History of mechanism science; Industrial and non-industrial applications.

**ROBOTICS:** Serial and parallel robots; Mobile robots; Collaborative robots; Micro and Nano robots; Sensors and actuators; Advanced control; Artificial intelligence; Medical robots; Teleoperation, haptics, virtual reality.

### Submission, presentation and publication

The official language of the joint conference is English. Each paper will be reviewed, and the papers selected by the Scientific Committee will be published by Springer in the series “Mechanisms and Machine Science”, indexed in several data bases and monitored by all major abstract media. All submitted papers must be strictly prepared following the publication guidelines. For detailed up-to-date information, please visit the

SYROM&ROBOTICS\_2022 conference website.

### Deadlines

Full paper submission: August 31<sup>st</sup>, 2022  
Prov. accept notification: September 30<sup>th</sup>, 2022

Final paper submission: October 10<sup>th</sup>, 2022

Final accept notif.: October 15<sup>th</sup>, 2022

### Registration

Early Registration (before October 25<sup>th</sup>, 2022)

IFTOMM/SRR Members 250 €

Non IFTOMM/SRR Members 300 €

### Regular Registration

IFTOMM/SRR Members 300 €

Non IFTOMM/SRR Members 350 €

Students/Accompanying Persons 150 €

### Venue

The conference will be held at “Gheorghe Asachi” Technical University of Iasi. Iasi is the largest city in eastern Romania, located in the historical region of Moldavia. Iasi has traditionally been one of the leading centres of Romanian social, cultural, academic and artistic life. Known as *The Cultural Capital of Romania*, Iasi is a symbol in Romanian history. It is easily accessible from countries by plane, train or car (see website).

### Accommodation

Iasi provides accommodation in several hotels of different categories. A list of hotels will be available on the conference website.

### Further Information

This is the first call for papers intended to inform about the aim, topics and important dates of the conference. Detailed information about venue, accommodation, social program and other topics will be published on the website.

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### Website

<https://syrom-robot.upt.ro>

This is the URL for the authors to get first access when they want to submit a new contribution to SYROM&ROBOTICS2022.

<https://equinocs.springernature.com/series/SYROMandROBOTICS2022>