

### Venue

Kragujevac is a historical, economical, administrative, cultural, science, educational, health and industrial center of the Šumadija region in Serbia. It is located in central Šumadija and Serbia, 140km south of the capital city of Belgrade. The city spans along the banks of the river Lepenica in the Kragujevac valley, surrounded by Rudnik, Crni vrh and Gledić mountains, at 200m above sea-level. The city is home to around 190 000 residents.

The city is first mentioned in the middle ages, and the first written sign of it comes from 1476 where in Ottoman documents it is called Karagovindja, a town “on the Belgrade road 19 days away from Constantinople”. It got its name from the kraguj sparrowhawk which was hunted in the middle ages, today extinct, it finds its honorary place on the city’s coat of arms.

Culturally- historical heritage of Kragujevac was greatly determined by the fact that in the period between 1818-1841 it was the capital, cultural, educational and political center of modern Serbia. Numerous events shaped the cultural, political and social development of Kragujevac firmly establishing its importance in the national identity of Serbia.

Today, Kragujevac is a mecca for investors, the city with a favorable business climate and accelerated local economic development.

The Faculty of Mechanical Engineering in Kragujevac was formed on the initiative former Kragujevac County in 1960. The faculty changed its name from Faculty of Mechanical Engineering to Faculty of Engineering in 2011. The “Svetozar Marković” University, today University of Kragujevac was founded in 1976. The University today consists of 12 faculties.



### Publishing

Registered and presented papers will be published online with open-access in a volume of **IOP Conference Series: Materials Science and Engineering** indexed in major international databases: Ei Compendex, Scopus, Thomson Reuters (WoS), Inspec, et al.

## IOP Publishing

Authors can alternatively choose to publish in selected journals (FME Transactions, Facta Universitatis Series: Mechanical Engineering, Tribology in Industry, Machine Design, Mobility & Vehicle Mechanics or Applied Engineering Letters).

All accepted papers will be printed in Conference Proceedings in the form of extended abstracts.

### Submission

Authors are welcome to submit paper(s) in accordance with IRMES 2019 conference topics. The number of papers is limited. One person can sign three papers at the most, but only one paper as the first author.

### Concept

The Conference will be organized in sections, including plenary lectures, section lectures, as well as oral and poster presentations.

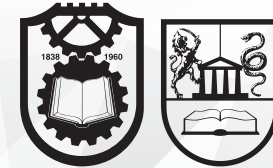
The official language of the Conference is English.

### Important Dates

- 10. 02. 2019. – First call for papers
- 01. 04. 2019. – Short abstract submission deadline
- 10. 04. 2019. – Notification of abstract acceptance
- 15. 06. 2019. – Paper submission deadline
- 15. 07. 2019. – Student section submission deadline
- 01. 09. 2019. – Conference fee payment deadline

### Contact:

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Faculty of Engineering  
University of Kragujevac



### 9th International Scientific Conference

## IRMES 2019

### Research and Development of Mechanical Elements and Systems

**05. – 07. SEPTEMBER 2019**

**Kragujevac, Serbia**

# FIRST CALL

Organized by:



Department for  
Mechanical Constructions and Mechanization

and



Association for Design, Elements and Constructions

## About the Conference

The Department for Mechanical Constructions and Mechanization of the Faculty of Engineering at the University of Kragujevac and the Association for Design, Elements and Constructions – ADEKO, are organizing the international scientific conference IRMES 2019, in Kragujevac, in September of 2019. IRMES 2019 is the 9th conference organized by ADEKO, (previously JuDEKO). We are calling all interested researchers, representatives of companies, social communities and students from Serbia and abroad who are in the field of machine elements and design, as well as from related fields, to participate in IRMES 2019 and through their participation contribute to the quality of the conference.

The mission of the IRMES conferences is to serve the global community through improving, spreading and applying new engineering knowledge, with the goal of serving as a source for the newest and most relevant information for mechanical engineers and experts from similar fields – on a local, regional and global level.

The conference will include a number of other manifestations, in order to facilitate a better exchange of knowledge and experiences, as well as a pleasant stay in Kragujevac this September of 2019.

## Topics

### 1. Mechanical Elements and Systems

(modeling and simulation, loading and stress conditions, tribology, noise and vibrations, maintenance and monitoring, safety, quality, reliability)

### 2. Power and Motion Transmission Systems

(development of new concepts, modeling and simulations, noise and vibrations, testing, safety, quality, reliability)

### 3. Product Development Process

(technology transfer, creativity and innovations, development and design, innovative product development, smart systems, industry 4.0, knowledge economy)

### 4. New Technologies and Materials

(CAD/ CAM/ CAE technology, intelligent production systems, robotics and mechatronics, rapid prototyping, new materials)

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## Fees

The standard conference fee is 120€ and includes:

Publishing of paper, conference proceedings of extended abstracts, conference material, participation in the conference, refreshments and coffee during the breaks and conference dinner.

Co-author/accompanying person fee is 60€ and includes:

Conference material, participation in the conference, refreshments and coffee during the breaks and conference dinner.

## Student Section

A special section of the IRMES 2019 conference is dedicated to students of bachelor and master academic studies. Student's participation is in one of two categories:

### 1. DEVELOPMENT OF MACHINE SYSTEMS USING RAPID PROTOTYPING TECHNOLOGIES.

### 2. STUDENT RESEARCH PAPERS

More information is available on the conference website <http://irmes2019.kg.ac.rs/studentsection.php>  
This section does not require any fees and is free for all students.

