



Special Interest Conference

# SEECCM 2017

## 4th South-East European Conference on Computational Mechanics

July 3-5, 2017  
Kragujevac, Serbia

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ECCOMAS Special Interest Conference  
3-5 July 2017 Kragujevac, Serbia



[www.seeccm2017.kg.ac.rs](http://www.seeccm2017.kg.ac.rs)

## Location

Kragujevac is the fourth largest city in Serbia, the administrative centre of Sumadija District. It is situated on the banks of the Lepenica River and surrounded by mountains Rudnik, Crni Vrh and Gledic. The city has a population of around 180,000 inhabitants.

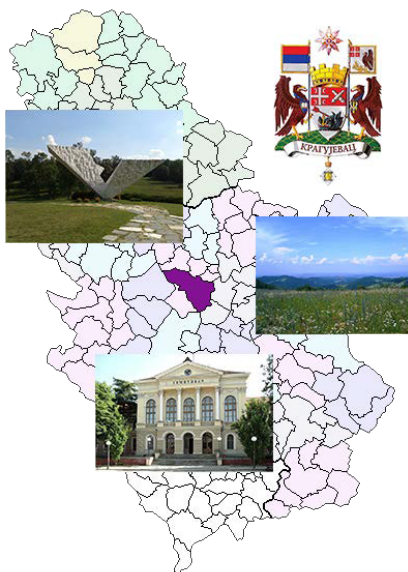
Kragujevac was the first capital of modern Serbia (1818–39); the first constitution in the Balkans was proclaimed in the city in 1835. Further on, the first full-fledged university in the newly independent Serbia was founded in 1838, preceded by the first grammar school, print-works (both in 1833), professional National theatre (1835) and the Military academy (1837). The city was the site of a massacre by the Nazis, in which 2,778 Serb men and boys were murdered.

Contemporary Kragujevac is known for its munitions (Zastava Arms) and automobile industry (Fiat Automobili Srbija).

Kragujevac is an important university center. University of Kragujevac was established on 21 May 1976, from departments of the University of Belgrade Faculty of Mechanical Engineering and Faculty of Economics, which began to work in late 1960s. The University of Kragujevac consists of twelve faculties - six faculties are located in Kragujevac, while the other six faculties are located in Cacak, Kraljevo, Jagodina, Uzice and Vrnjaska Banja. It also has two scientific research institutes: the Institute for Field Crops in Kragujevac and Fruit and Grape Research Institute in Cacak.

1st SEECCM was held in Kragujevac in 2006 when the Serbian Society for Computational Mechanics was founded.

In a word: it is worth coming to Kragujevac! You are warmly welcome!



## Call for papers

Prospective Authors are invited to register and to submit, through the Internet, a two-page extended abstract in English. Abstracts should outline the main features results and conclusions of the work. All abstracts will be reviewed by the members of the Scientific Committee and Authors will be notified about the decision. Authors of selected abstracts will be invited to submit a full manuscript, which if accepted according to the journal procedure, will be published in the Journal of the Serbian Society for Computational Mechanics.

## Registration

The registration fee for delegates and authors is 300 EUR (150 EUR for students) if paid before June 12, 2017 and 450 EUR (250 EUR for students) if paid after that date.

The fee includes conference proceedings, reception, lunches, coffee breaks, banquet and social program.

## Important Dates

- ◆ Extended abstract submission March 10, 2017
- ◆ Notification of abstract acceptance March 31, 2017
- ◆ Submitting the full paper April 15, 2017
- ◆ Notification of paper acceptance June 1, 2017
- ◆ Deadline for early payment June 12, 2017

## Contact

### Serbian Society for Computational Mechanics

Sestre Janjić 6  
34000 Kragujevac  
Serbia  
e-mail: [seeccm2017@kg.ac.rs](mailto:seeccm2017@kg.ac.rs)

## Conference Venue

### Hotel Šumarice

Desankin Venac bb  
34000 Kragujevac, Serbia  
phone: +381 34 336 180  
e-mail: [sumarice@sumaricedoo.com](mailto:sumarice@sumaricedoo.com)  
website: [www.hotelsumarice.com](http://www.hotelsumarice.com)



## Objectives

The first SEECCM conference was held in 2006 in Kragujevac, Serbia and during this conference the Serbian Society for Computational Mechanics (SSCM) was founded. On the 10<sup>th</sup>-year anniversary of the SSCM the organizers again invite to the same city scientists from South-East Europe and all over the world. The previous three SEECCM conferences were successful and had a profound impact on the goals of the regional and the world community of scientist to invent and apply computational methods in the continuously increasing demands in science, technology and medicine. The major advancements in industrial, technological and biomedical processes can nowadays be achieved only through integration of the work of researchers in different scientific fields. Today, Computational Mechanics is a very developed and integrative field which uses fundamental scientific laws and computer methods to study, predict and simulate material, engineering, physical, chemical and biomedical processes. Computer simulations are indispensable in testing hypotheses and assemble information in a quantitative context.

The objective of SEECCM 2017 is to bring together engineers, IT experts, bioengineers, biochemists, physicists, and chemists in order to explore fresh ideas for new methodologies and application of computational mechanics.

We will celebrate the 75<sup>th</sup> birthday of professor Milos Kojic, first president of the SSCM.

## Conference Topics

- Solid Mechanics
- Fluid Mechanics
- Coupled Problems
- Discrete Modeling
- Multiscale Modeling
- Biomechanics
- Nanomedicine
- Cardiovascular Mechanics
- Tissue Engineering
- Dental Mechanics
- Bone Mechanics
- Musculoskeletal Mechanics
- Sport Biomechanics
- Cellular and Molecular Mechanics
- Medical Image Computing
- Computational Chemistry

## Committees

### Scientific Committee

BATHE Klaus-Jurgen, USA  
BESKOS Dimitri, Greece  
CALO Victor, S Arabia  
CAR Zlatan, Croatia  
EXARCHOS Themis, Greece  
FERRARI Mauro, USA  
FILIPOVIC Nenad, Serbia  
FOTIADIS Dimitrios, Greece  
GARBEY Marc, USA  
HAJDIN Nikola, Serbia  
IBRAHIMBEGOVIC Adnan, France  
JEREMIC Boris, USA  
JR HUGHES Thomas, USA  
KOJIC Nikola, USA  
MANG Herbert, Austria  
MATTHIES Hermann, Germany  
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MIKIC Borivoje, USA  
NESTOROVIC Tamara, Germany  
ONATE Eugenio, Spain  
OSTROGORSKY Aleksandar, USA  
PAPADOPULOS Panos, USA  
PAPADOPULOS Vissarion, Greece  
PAPADRAKAKIS Manolis, Greece  
ROSIC Bojana, Germany  
SCHREFLER Bernhard, Italy  
SORIC Jurica, Croatia  
STAMENOVIC Dimitrije, USA  
TSUDA Akira, USA  
ZIEMYS Arturas, USA

### Conference Chairs

KOJIC Milos, Serbia  
PAPADRAKAKIS Manolis, Greece  
FILIPOVIC Nenad, Serbia

## Plenary Lectures

Will be given in the next Announcement.

## Organizers

### Local organizer



### Partners



Faculty of Engineering  
University of Kragujevac



BioIRC R&D Center  
Kragujevac

### Supporting organizations



European Community on Computational  
Methods in Applied Sciences  
ECCOMAS

## Minisymposia