

VENUE



**Auditorium Maximum UJ
Kraków, ul. Krupnicza 33**

The Conference will be hosted in the Conference Centre of the Jagiellonian University located within walking distance of the Main Square of the Old City.

Besides of the scientific program, it will be an opportunity to explore and discover the city of Kraków, the former capital of Poland. Everyone who was at least once in this city will not forget the impression left by the local atmosphere of the old castle walls, the Wawel hill with the dragon's cave, stretching just above the lazily flowing Vistula River, a charming Sukiennice market with a beautiful St. Mary's Church, Kazimierz Jewish District and plenty of greenery.

It is difficult to talk about the monuments of Kraków, because almost the whole city is one big monument, worth admiring during walks.

See you in Kraków!



ACCOMMODATION

The Organizers have pre-reserved a large number of rooms in different hotel categories. Special rates are offered for the **ICEM 2020**. To book a room please contact our Conference Partner – **Congress Bureau Jordan Group**. Detailed information about the hotels location, room standards and prices can be found on **ICEM 2020** conference website <https://icem19.org/>.

We highly recommend early reservation to secure your accommodation preferences.

CONTACT



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19th INTERNATIONAL CONFERENCE ON EXPERIMENTAL MECHANICS

ICEM • 2020

5-9.07.2020 • KRAKÓW • POLAND

www.icem19.org



2nd ANNOUNCEMENT

GENERAL

19th ICEM 2020, the 19th International Conference on Experimental Mechanics will be held on **July 5-9, 2020** in Kraków, Poland. The Conference will be focused on experimental and measuring techniques for thorough study of the mechanical properties of different materials, engineering structures and systems which are necessary to create the physical bases and provide verification of analytical or numerical methods in engineering design.

Main topics:

- ⦿ Advancement in optical techniques (photoelasticity, interferometry, DIC, DVC)
 - ⦿ Analytical/numerical models
 - ⦿ Dynamic behavior of materials under impact and blast
 - ⦿ Damage, Fatigue and Fracture
 - ⦿ Energy harvesting (photovoltaic, wind, wave)
 - ⦿ Mechanics of composite and multifunctional materials
 - ⦿ Mechanics of time-dependent materials
 - ⦿ Mechanics of rate-dependent materials
 - ⦿ Nanomaterials and nanostructures (MEMS, NEMS, thin films, nanosensors, testing at the nano-scale)
 - ⦿ Non-destructive testing and condition monitoring techniques
 - ⦿ Operational modal and modal analysis
 - ⦿ Sensor technology (strain gage technology, optical fiber, accelerometer)
 - ⦿ Smart materials and structures
 - ⦿ Shape memory and superelastic materials
 - ⦿ System identification
 - ⦿ Thermoelasticity, thermoelastic stress analysis and infrared
 - ⦿ Testing of advanced joining techniques
 - ⦿ Uncertainty quantification
 - ⦿ Ultrasonics and acoustic emission
 - ⦿ Wood mechanics and timber engineering
- Oral and poster sessions are planned.

INVITED PLENARY LECTURES

Professor Raj Das, Melbourne, Australia

Virtual forensic laboratory – developing bio-simulant human craniums for extreme injury assessment in bio-forensics

Professor Christian Hellmich, Vienne, Austria

Thermodynamics and homogenisation theory as driving forces in the design of novel experiments and the (re-)evaluation of data

Professor Zenji Horita, Fukuoka, Japan

Production of high-performance structural and functional materials using severe plastic deformation under high pressure

Professor Małgorzata Kujawińska, Warsaw, Poland

Optical methods in experimental mechanics – past, present and future challenges

Professor Alexis Rusinek, Metz, France

Design of original set-ups to characterize materials and structures behavior, from low to high temperatures and from quasi-static to dynamic loading

Professor Błażej Skoczeń, Kraków, Poland

Plasticity, damage and fracture in the proximity of absolute zero. From experiment to constitutive models

Professor Qingping Sun, Kowloon, Hong Kong

Mechanical behaviors of materials at macro-, micro- and submicron-scales – method is more important than knowledge

Doctor Paul Wood, Derby, UK

Additive manufacturing of nickel based alloys

ABSTRACTS

Abstracts should be submitted electronically on-line via <https://icem19.org/>. Two-page camera-ready extended abstracts in English in accordance with the Word template are due by October 2019. We encourage all authors to submit full length papers after the Conference for publication in in Engineering Transactions or Journal of Theoretical and Applied Mechanics (JTAM). The papers will be subjected to the usual peer-review procedure.

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REGISTRATION

Registration for the Conference should be performed on-line using the registration form available at <https://icem19.org/en/register>

REGISTRATION FEE	VERY EARLY Before July 31st, 2019	01.08.2019 till 31.12.2019	After January 1st, 2020
Full delegate	650 EUR	700 EUR	800 EUR
Student	350 EUR	400 EUR	450 EUR
Accompanying	200 EUR	200 EUR	200 EUR

REGISTRATION FEE INCLUDES:

- book of abstracts, USB stick
- attendance to all technical sessions
- coffee breaks and lunches
- welcome drink
- free public transport pass in Kraków
- sightseeing tour of Kraków with visit at the Jagiellonian University Museum (beverages / snacks on the Collegium Maius)
- concert at the Mariacki Church
- visiting + Gala Dinner at the Wieliczka Salt Mine (UNESCO)

