



ICMMB-2020



XXII International Conference on Mechanics in Medicine and Biology

Lomonosov Moscow State University, Moscow, Russia
June 8-10, 2020

Organizers

Lomonosov Moscow State University, Moscow, Russia
Taiwanese Society of Biomechanics, Taiwan



Welcome to the **XXII International Conference on Mechanics in Medicine and Biology (ICMMB-2020), June 8-10, 2020** in Lomonosov Moscow State University, Moscow, Russia.

The ICMMB is a biennial event representing an interdisciplinary forum of engineering, medicine, and biology. The main objective of the conference is to provide a common platform for exchange of new ideas and results of recent research in the field of theoretical and technological advances in modern biomechanics.

BACKGROUND

The idea of the Conference was conceived in 1977 by a group of researchers from various countries consisting of Profs Wen Jei Yang, Dhanjoo Ghista, Helmut Reul, Gunter Rau, Eric van Vollenhoven, and Tin Kang Hung. Later it was joined by Profs Kajiya and Pallotti. The previous conferences took place in:

- 1978 Aachen, Germany
- 1980 Osaka, Japan
- 1982 Compiègne, France
- 1984 Buffalo, USA
- 1986 Bologna, Italy
- 1988 San Antonio, USA
- 1991 Portschach, Austria
- 1994 Amsterdam, Netherlands
- 1996 Ljubljana, Slovenia
- 1998 Oahu, Hawaii
- 2000 Maui, Hawaii
- 2002 Lemnos Island, Greece
- 2003 Tainan, Taiwan
- 2004 Bologna, Italy
- 2006 Singapore
- 2008 Pittsburgh, USA
- 2010 Kraków, Poland
- 2012 Xian, China
- 2014 Bologna, Italy
- 2017 Melbourne, Australia
- 2018 Taipei, Taiwan

CALL FOR PAPERS

Original scientific papers are invited for oral presentation. Authors should submit abstracts not later than **February 15, 2020** in the following major theme areas, but not limited to:

- Biomechanics in Sports
- Biomechanics in Traumatology and Rehabilitation
- Biomechanics of Joints and Implants
- Biomedical Engineering in Education, Industry, and Society
- Biomedical Imaging and Image Processing
- Biomedical Instrumentation and Biosensors
- Biomedical Signal Processing
- Cardiovascular System Engineering
- Clinical Biomechanics
- Computational Biology and Bioinformatics
- Healthcare Management Information Systems
- Human Locomotion
- Medical Robotics
- Modeling of Physiologic Systems, Processes, and Media
- Nanobiotechnology, Cellular and Tissue Engineering
- Neural Engineering
- Neuromuscular Systems and Biomechanics
- Orthopedic Biomechanics
- Respiratory System Engineering
- Telemedicine and Healthcare
- Therapeutic Physics and Rehabilitation Engineering

See <https://eng.russia.travel/moskva/> for more information on Moscow

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Prospective organizers should submit proposals to the Organizing Committee by **February 1, 2020**.

BEST PAPER AWARD

Three best papers will be selected during the Conference based on both the technical content and presentation. The winners will be chosen by the International Scientific Program Committee.

WEBSITE

For up to date information of the Conference, please visit our website: www.icmmb2020.com

VENUE

The Conference will be held from Monday **June 8** to Wednesday **June 10, 2020** at Lomonosov Moscow State University

Addresses:

119991 Faculty of Biology LMSU, 1-12 Leninskie Gory, Moscow, Russia

119192 Institute of Mechanics LMSU, 1 Michurinsky prosp., Moscow, Russia

Website: <https://www.msu.ru/en/>

LANGUAGE

The official language of the conference will be English.

ACCOMMODATION

Limited number of dormitory rooms is available at the Lomonosov Moscow State University.

A lot of hotels are available in Moscow. Hotel choices will be posted soon on the website.

REGISTRATION FEES

Delegates	Early bird	Regular	On-Site
General	US\$ 450	US\$ 520	US\$ 600
Student	US\$ 250	US\$ 300	US\$ 350
Accompanying Person	US\$ 150	US\$ 200	US\$ 250

In order to get the information on registration fees for Russian and Belarus citizens, please contact the Organizing Committee.

IMPORTANT DATES

- Submission of abstracts: **February 15, 2020**
- Notification of acceptance: **April 1, 2020**
- Early bird registration: **April 30, 2020**
- Conference dates: **June 8-10, 2020**

CONFERENCE OFFICE

ICMMB-2020 Organizing Committee

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ABSTRACT SUBMISSION

Please follow the format of the sample guide available on the website www.icmmb2020.com to complete your 2 page extended abstract and submit your abstract via the website or by email.

The authors with accepted abstracts are encouraged to submit full-length papers. All full-length papers will be included in the electronic version of the Conference proceedings. In addition, selected articles presented during the Conference will be published in the *Journal of Mechanics in Medicine and Biology* (World Scientific Publishing Company, Singapore).

SPECIAL SESSIONS

ICMMB-2020 is soliciting proposals for special sessions focusing on topics of Mechanics in Medicine and Biology.