



## IWMMA 2019 - The Eighth International Workshop on Mathematical Models and their Applications, Krasnoyarsk, Russian Federation, November 18-21, 2019

The Eighth International Workshop on Mathematical Models and their Applications (IWMMA 2019) will provide an international forum for the presentation of original results in mathematical modeling for software- and hardware applications in various fields. It will stimulate lively discussions among researchers as well as industrialists.

Papers may discuss theories, applications, evaluation, limitations, general tools and techniques. Discussion papers that critically evaluate approaches or processing strategies and prototype demonstrations are especially welcome.

### Organizing Committee

**Chairs of Program Committee:**  
Friedhelm Schwenker, Germany  
Eugene Semenkin, Russia

**Program Committee:**  
Hazem Abbas, Egypt  
Shigeo Abe, Japan  
Michael Affenzeller, Austria  
Amir Atiya, Egypt  
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Janja Jerebic, Slovenia  
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Nik Kasabov, New Zealand  
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Oleg Khamisov, Russia  
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Oleg Kravets, Vietnam  
Gabriel Kronberger, Austria  
Nadia Mana, Italy  
Alexey Medvedev, Russia  
Ramil Nigmatullin, Australia  
Erik Pitzer, Austria  
Črtomir Rozman, Slovenia  
Roman Sergienko, Germany  
Andrej Skraba, Slovenia  
Vladimir Spitsyn, Russia  
Evgeny Spodarev, Germany  
Ulrich Stadtmueller, Germany  
Radovan Stojanovic, Montenegro  
Yury Tsoy, Republic of Korea  
Olga Voropayeva, Russia  
Stefan Wagner, Austria  
Stephan M. Winkler, Austria  
Maja Zajec, Slovenia

**Co-chairs of Organizing Committee:**  
Anna Voroshilova, Russia  
Evgenii Sopov, Russia

**Local Committee:**  
Ekaterina Fibikh  
Leonid Lipinskiy  
Anastasia Polyakova  
Ilya Panfilov  
Vladimir Stanovov

### Conference Topics

The workshop will cover a broad set of research topics including, but not limited to:

- Mathematical models and their applications
  - Mathematical modelling techniques
- Optimization techniques, incl. multi-criterion optimization and decision making support
  - Data mining and knowledge discovery
    - Machine learning
    - Pattern recognition
- Learning in evolutionary algorithms
  - Genetic programming
  - Artificial neural networks
- Computational intelligence and its applications
  - Bio-inspired and swarm intelligence
  - Text/Web/Data mining
  - Human-Computer Interaction
  - Natural language processing
- Applications in engineering, natural sciences, social sciences, computer science, etc.

### Paper Submission

All papers will be double-blind peer reviewed by at least two members of the program committee. All papers accepted and presented at the workshop will appear in the Conference Proceedings and will be published in the IOP Conference series: Materials Science and Engineering, indexed in Web of Science and Scopus.

Authors should submit a paper in English, carefully checked for correct grammar and spelling, addressing one or several of the conference areas or topics. Each paper should clearly indicate the nature of its technical/scientific contribution, and the problems, domains or environments to which it is applicable.

All submissions should be done via EasyChair submission system:

<https://easychair.org/conferences/?conf=iwmma2019>

### Conference Venue

The IWMMA 2019 will take place at Siberian State University of Science and Technology (former Siberian State Aerospace University), Krasnoyarsk, Russia

### Important Dates

Paper Submission:  
October 1, 2019

Author Notification:  
October 15, 2019

Camera Ready and Registration:  
October 24, 2019

Conference Dates:  
November 18-21, 2019

### Registration Fees

Regular paper registration fee:  
200 EUR

Registration of a Regular paper includes:  
access to all conference sessions and keynote lectures, coffee breaks, conference bag and badge, flash drive with the Conference Proceedings and a publication of the paper in IOP Conference series: Materials Science and Engineering (indexed in Web of Science and Scopus).

### Co-organized by:

