

INTERNATIONAL ORGANIZING

Co-Chairmen:

E. S. Gorkunov,
Ekaterinburg, Russia

V. E. Panin,
Tomsk, Russia

R. Sunder,
Bangalore, India

Members:

Bataev A.A.,
Novosibirsk, Russia

Belyaev A. K.,
St. Petersburg, Russia

Bogdanovich A. V.,
Minsk, Belarus

Brezinova J.,
Kosice, Slovakia

Burenin A.A.,
Komsomolsk-on-Amur, Russia

Vuherer T.,
Maribor, Slovenia

Golovin S.V.,
Novosibirsk, Russia

Goryacheva I.G.,
Moscow, Russia

Gutmanas E.,
Haifa, Israel

Degtyar V.G.,
Miass, Russia

Indeitsev D.A.,
St. Petersburg, Russia

Irschik H.,
Linz, Austria

Lomakin E.V.,
Moscow, Russia

Maruschak P. O.,
Ternopil, Ukraine

Matveenko V.P.,
Perm, Russia

Menou A.,
Casablanca, Morocco

Mihovski M.M.,
Sofia, Bulgaria

Morozov N. F.,
St. Petersburg, Russia

Mulyukov R.R.,
Ufa, Russia

Prentkovskis O.,
Vilnius, Lithuania

Psakhie S. G.,
Tomsk, Russia

Smirnov S.V.,
Ekaterinburg, Russia

Fomin V.M.,
Novosibirsk, Russia

Chentsov A.G.,
Ekaterinburg, Russia

Shiptyuk A.N.,
Novosibirsk, Russia

Yakushenko E. I.,
St. Petersburg, Russia

PROGRAM COMMITTEE

Chairman

Smirnov S.V., *Ekaterinburg, Russia*

Members

Burov S.V., *Ekaterinburg*

Gladkovsky S.V., *Ekaterinburg*

Dementiev V.B., *Izhevsk*

Konovalov A.V., *Ekaterinburg*

Makarov A.V., *Ekaterinburg*

Mityushov E.A., *Ekaterinburg*

Moskvichev V.V., *Krasnoyarsk*

Naimark O.B., *Perm*

Panin S.V., *Tomsk*

Plekhov O.A., *Perm*

Pugacheva N.B., *Ekaterinburg*

Radchenko V.P., *Samara*

Rinkevich A.B., *Ekaterinburg*

Trusov P.V., *Perm*

Khudorozhkova Yu.V., *Ekaterinburg*

Shveikin V.P., *Ekaterinburg*

DEADLINES

Registration and abstract submission – **April 10, 2016**

Notification of abstract acceptance – **April 15, 2016**

Paper submission – **April 30, 2016**

Payment transfer – **April 30, 2016**

Conference dates: **May 16 to May 20, 2016**

GENERAL INFORMATION

The Conference will be held at the Institute of Engineering Science, UB RAS, 34 Komsomolskaya Str, Ekaterinburg, Russia.

Official languages: Russian and English.

All conference participants must register online at the Conference website

<http://www.imach.uran.ru/conf/confeng2016/>

CONTACTS

Sergey V. Smirnov,

Program Committee Chairman

tel.: (343) 375-35-71, (343) 374-40-76

e-mail: svs@imach.uran.ru

Sergey V. Burov,

Deputy Program Committee Chairman

tel.: (343) 375-35-83

e-mail: burchitai@mail.ru

Yulia V. Khudorozhkova,

Conference secretary

tel.: (343) 375-35-83

e-mail: khjv@mail.ru

e-mail: conf_mrdmk@imach.uran.ru

FASO Russia
UB RAS
IES UB RAS
ISPMC SB RAS
IMM UB RAS

FEDERAL AGENCY FOR SCIENTIFIC ORGANIZATIONS
URAL BRANCH OF THE RUSSIAN ACADEMY OF SCIENCES
INSTITUTE OF ENGINEERING SCIENCE, URAL BRANCH OF THE RUSSIAN ACADEMY OF SCIENCES
INSTITUTE OF STRENGTH PHYSICS AND MATERIALS SCIENCE SB RAS
N.N. KRASOVSKII INSTITUTE OF MATHEMATICS AND MECHANICS OF URAL BRANCH OF RUSSIAN ACADEMY OF SCIENCES

The International Conference on
MECHANICS, RESOURCE AND DIAGNOSTICS OF MATERIALS AND STRUCTURES

May 16 to May 20, 2016
Ekaterinburg, Russia



Second announcement

www.imach.uran.ru

GENERAL INFORMATION

The conference will include distant participation, with online Internet presentation of papers, and participation in absentia, with the submission of poster presentations to the Organizing Committee.

The International Conference on **MECHANICS, RESOURCE AND DIAGNOSTICS OF MATERIALS AND STRUCTURES** pursues the traditions of the conferences entitled “Mechanics of Microinhomogeneous Materials and Fracture” and “Resource and Diagnostics of Materials and Structures”, which have been held since 2001.

The Conference is held within the complex plan of the basic scientific research on Advanced Materials with a Multilevel Hierarchic Structure for New Technologies and Reliable Structures

Conference goal

Initiating the effort of researchers working in the fields of mechanics of materials, material science and nondestructive testing, as well as industrial specialists, for solving scientific and applied problems. Representatives from industry and concerned organizations will have a chance to meet and discuss their problems with scientific experts, to make reports and to participate in debates.

Objectives:

- discussing topical problems and advanced achievements in solving scientific and applied problems of the complex evaluation of the life of technical objects, prediction of their durability and longevity by methods of material science, nondestructive testing and mechanics;
- familiarizing the scientists, representatives of academic, educational, sectoral research institutes, industrial enterprises and engineering centers with the world's advanced experience in the application of scientific developments.

The scientific significance of the Conference

The Conference will cover the most important areas of basic research, such as:

- New techniques for studying and predicting the service life of mechanisms and structures under production and operation, which are based on a complex approach to the evaluation of a current state of engineering and functional materials in terms of nondestructive testing, material science and mechanics.
- Methodology of using the results of nondestructive testing and material science analysis in models of mechanics to predict the service life of materials and structures.
- State-of-the-art technologies of material design, production, processing and testing aimed at increasing the level of functional properties, durability, reliability and survivability of machine parts and structural components operated under extreme conditions.
- Interdisciplinary approach to studying advanced materials with a multilevel hierarchic structure in order to create new processes and reliable structures.

SECTION 1. Mechanics of damage and fracture

SECTION 2. Structural aspects of deformation and fracture.

SECTION 3. Testing and diagnostics of materials and structures.

SECTION 4. Materials with a multilevel hierarchical structure.

PRESENTATION OF PAPERS

The conference activities will consist of plenary and sectional sessions and poster presentations. Invited speakers will lecture at the plenary sessions. Plenary presentation time is 30 min. Sectional presentation time is 15 min. Poster presentations are in the form of A1 posters A1.

REGISTRATION FEE

The participant's registration fee is **250 USD** for internal participation, **100 USD** for distant participation or in absentia, **150 USD** for undergraduates and postgraduates. **Bank details for fee transfer are placed on the Conference website.**

The registration fee includes participation in the sessions, a participant's folder, a collection of abstracts and Conference materials, coffee breaks.

GUIDELINES FOR ABSTRACTS

The collection of abstracts will have been released by the Conference start. Abstracts under 500 words in Russian or English, are to contain the aims, results and inferences of the paper.

The text is in the Rich Text Format, RTF. Original size is A4. Font: Times New Roman, the main text font size: 12 pt; page parameters: all margins 2 cm, justified, single line spacing, 1.25 cm indent. A new paragraph starts with a new line, hyphenation on, portrait page orientation.

The title is centered, Caps Lock, medium-face type. Last name(s) with initials is/are on a new line, centered, ordinary type. Next line is affiliation, house, street, city, code, country, (all in italics), author's/authors' e-mail address.

The file name is to contain the presenter's name and initials. **The file is to be sent by Conference e-mail: conf_mrdmk@imach.uran.ru.**

COLLECTION OF CONFERENCE PAPERS

The Conference papers will be published in an issue of **AIP Conference Proceedings**, which is indexed in the **Web of Science** abstract database of journal articles and conference proceedings. Please submit your materials in English in the form of **4 page** papers before **30 April, 2016** after notification of paper acceptance. The requirements for papers can be found on the Conference site. Papers written in improper English or inconsistent with the requirements may be rejected.