

International Conference

MECHANICS, RESOURCE AND DIAGNOSTICS OF MATERIALS AND STRUCTURES

The 1st Announcement

The Ministry of Science and Higher Education of the Russian Federation, the Ural Branch of the Russian Academy of Sciences, Technical Committee 17 (Non-Destructive Evaluation) of the European Structural Integrity Society, the Russian Committee of the European Structural Integrity Society, the Institute of Engineering Science (Ural Branch of the Russian Academy of Sciences), and the Institute of Continuous Media Mechanics (Ural Branch of the Russian Academy of Sciences) are pleased to announce that the 15th International Conference on MECHANICS, RESOURCE AND DIAGNOSTICS OF MATERIALS AND STRUCTURES will be held on December 20-24, 2021.

SCIENTIFIC SECTIONS

- SECTION 1.** Mechanics of damage and fracture (ESIS topic)
- SECTION 2.** Structural aspects of deformation and fracture (ESIS topic)
- SECTION 3.** Testing and diagnostics of materials and structures (ESIS topic)
- SECTION 4.** Materials with a multilevel hierarchical structure (ESIS topic)
- SECTION 5.** Aspects of the modeling of materials with a multilevel hierarchical structure (ESIS topic)
- SECTION 6.** Physical methods for diagnostics and materials science in medicine
- SECTION 7.** Fluid and gas mechanics in engineering and living systems

PRESENTATION OF PAPERS

The conference activities will consist of online plenary and sectional sessions, as well as poster presentations at the conference website. Invited speakers will lecture at the plenary sessions.

Plenary presentation time is 30 min. Sectional presentation time is 15 min. Poster presentations are submitted as PDF posters with the resolution of at least 150 dpi.

The conference provides for remote participation with online presentations, as well as with poster presentations. The poster presentations are to be sent to the Organizing Committee.

COLLECTION OF CONFERENCE PAPERS

All contributions will be peer-reviewed and considered for a special issue of **Procedia**

Structural Integrity, which is indexed in the **Web of Science and Scopus** abstract databases of journal articles and conference proceedings.

Please submit your materials in English in the form of **5 page** papers before **31 August, 2021 (please pay attention to the price)**.

The requirements for papers can be found on the conference website. Papers written in improper English or those inconsistent with the requirements may be rejected.

The journal of **Diagnostics, Resource and Mechanics of materials and structures**, abbreviated as DReaM, plans to publish some materials of the conference papers in a number of its special issues dedicated to the memory of Prof. Eduard Gorkunov (1945-2020), RAS Academician, the founder of the journal and its first editor-in-chief.

The journal of **Diagnostics, Resource and Mechanics of materials and structures**, abbreviated as DReaM, registration certificate SMI *El No. FS77-57355* dated 24 March, 2014. The journal website: **dream-journal.org**. The requirements for papers can be found on the DReaM journal website.

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Authors are invited to meet the following deadlines:

Registration and paper submission: **August 31, 2021**

Submission of presentations: **November 30, 2021**

Payment transfer: **October 15, 2021**

Conference time: **December 20-24, 2021**

GENERAL INFORMATION

- The Conference will be held at the Institute of Engineering Science, UB RAS, 34 Komsomolskaya St., Ekaterinburg, Russia
- Official languages: Russian and English
- Papers not meeting the requirements will be rejected.

Registration

Registration of participants and submission of abstracts are available online at the website <https://www.imach.uran.ru/conf2021/reg/> till August 31, 2021.

The program of the Conference includes invited and oral presentations, which are selected and distributed among the sections by the Program Committee. The list of accepted papers will be posted at the website after October 15, 2021.

Due to the specificity of the online conference, only one presentation can be submitted from one author.

Speakers are supposed to send their presentations to the Organizing Committee in *.ppt (preferably) or *.pdf format before November 30, 2021.

Contacts:

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Current information on the conference events can be found at <https://www.imach.uran.ru/conf2021>