

## CONFERENCES ANNOUNCED FOR 2021

### **The Fifth International Conference on Applications of Mathematics and Informatics in Natural Sciences and Engineering**

*Dedicated to the 25<sup>th</sup> Anniversary of Foundation  
Tbilisi International Centre of Mathematics and Informatics (TICMI)*

<http://www.viam.science.tsu.ge/aminse2020/>

AMINSE5

#### **Announcement**

The international Conference AMINSE2020 (Applications of Mathematics and Informatics in Natural Sciences and Engineering) which was dedicated to 25<sup>th</sup> anniversary of TICMI, because of Covid-19 problems first was postponed from June 17-20, 2020 to September 2020 and then for the same reason we have decided to organize in June 16-19, 2021 in Tbilisi either live or on-line, if Covid will disturb again.

#### ORGANIZERS

- I. Javakhishvili Tbilisi State University
  - *I. Vekua Institute of Applied Mathematics*
  - *Faculty of Exact and Natural Sciences*
- Georgian Mechanical Union
  - *Georgian National Committee of Theoretical and Applied Mechanics*
- Tbilisi International Center of Mathematics and Informatics

#### OVERVIEW

The Fifth International Conference on Applications of Mathematics and Informatics in Natural Sciences and Engineering (AMINSE5) will be held in Tbilisi, Georgia, June 16-19, 2021 (the arrival day June 15, the departure day June 20). The conference will be organized by Ilia Vekua Institute of Applied Mathematics (VIAM) of Ivane Javakhishvili Tbilisi State University (TSU).

The Scientific-Research Institute of Applied Mathematics of I. Javakhishvili Tbilisi State University (VIAM TSU) was founded on October 29, 1968 on Ilia

Vekua's initiative and leadership. Ilia Vekua created a new type scientific research institute, where researchers, professors and students are doing their scientific work, which is the best example of integrating research institute and educational process.

In 1995 on Prof. George Jaiani's initiative and leadership TICMI has been founded with the support of European Mathematical Society (EMS) and personally of its first President Prof. Friedrich Hirzebruch. TICMI is based in the I. Vekua Institute of Applied Mathematics of I. Javakhishvili Tbilisi State University.

TICMI is guided by the ISC (International Scientific Committee) consisting of 7 scientists. According to TICMI Statute three among them are EMS representatives nominated by EMS Executive Committee (EC). At present ISC is looks like as:

- Lucian Beznea, Bucharest, Simion Stoilow Institute of Mathematics of the Romanian Academy
- Alice Fialowski, Budapest, Institute of Mathematics, Eötvös Loránd University
- George Jaiani (Chairman), Tbilisi, I. Vekua Institute of Applied Mathematics, Tbilisi State University
- Vakhtang Kvaratskhelia, Tbilisi, N. Muskhelishvili Institute of Computational Mathematics
- Alexander Meskhi, Tbilisi, A. Razmadze Mathematical Institute, Tbilisi State University
- David Natroshvili, Tbilisi, Georgian Technical University,
- Eugene Shargorodsky, London, King's College London.

The aims of the Centre are, first, to help young scientists of the countries of the Black Sea Basin, to improve their professional skills and, second, to promote the exchange of scientific information worldwide. This should be achieved by Lecture Series and Summer Schools devoted to topics determined by the immediate interests of the Centre. The goal of TICMI is to be a scientific center for Georgia, Turkey, Armenia, Azerbaijan. Since its foundation TICMI has organized 23 scientific meetings, was co-organizer of the 15 international conferences and symposia (among them IUTAM Symposia and an ISAAC Conference). TICMI annually publishes two international scientific journals: Bulletin of TICMI (founded in 1997) and Lecture Notes of

TICMI (founded in 2000). Both journals are indexed in Mathematical Reviews/MathSciNet, Scopus, and Zentralblatt MATH/Mathematics Abstracts and accessible on websites

<http://www.viam.science.tsu.ge/ticmi/bulletin/bulletin>,  
<http://www.viam.science.tsu.ge/others/ticmi/lnt/lecturen.htm>

and

<https://www.emis.de/journals/TICMI/>

#### CONFERENCE SCOPE

The aim of the International Conference on “Applications of Mathematics and Informatics in Natural Sciences and Engineering” is to bring together researchers worldwide including, in particular, from the region (Armenia, Azerbaijan, Kazakhstan, Moldova, Russia, Turkey, Ukraine, Uzbekistan, etc.) and western countries, to discuss their research results in all aspects of Mathematics, Informatics, and their Applications in Natural Sciences and Engineering. In this region, in particular in Georgia, tradition of mathematical education was on high level. The conference will build on this experience to advance the knowledge and understanding of its participants in applications of mathematics and informatics in natural sciences and engineering. Advancement of new technologies is of utmost importance for the development of the region. Scientists from the region will have opportunity to get in contact with leading western scientists, to attend expert’s invited talks, sharing experiences, and getting feedback on their work. The Conference wants to pay special attention to young participants, graduate and post-doc researchers, and would like to offer them financial support to attend the Conference.

## SECTIONS of the Conference:

Section 1. Natural Sciences

Section 2. Mathematics

Section 3. Informatics

Section 4. Engineering

## PROSPECTIVE LIST OF INVITED SPEAKERS

- Prof. Holm Altenbach (Otto-von-Guericke-Universität Magdeburg Fakultät für Maschinenbau Institut für Mechanik, Magdeburg, Germany)
- Prof. Wilfried Becker (Technische Universität Darmstadt Fachbereich Maschinenbau Fachgebiet Strukturmechanik, Darmstadt, Germany)
- Prof. Ayech Benjeddou (Institut Supérieur de Mécanique de Paris (SUPMECA) & Université de Technologie de Compiègne (UTC)/Centre National de la Recherche Scientifique (CNRS) FRE 2012 ROBERVAL, France)
- Prof. Alberto Cialdea (Department of Mathematics Computer Sciences and Economics University of Basilicata, Potenza, Italy)
- Prof. Alice Fialowski (Eotvos Lorand University, Hungary)
- Prof. Reinhold Kienzler (Universität Bremen, Bremen, Germany)
- Prof. Flavia Lanzara (Università degli di Roma “La Sapienza”, Dipartimento di Matematica, Roma, Italy)
- Prof. Wolfgang Müller (Technical University of Berlin, Berlin, Germany)
- Prof. Bert-Wolfgang Schulze (University of Potsdam, Germany)

## SUBMISSION

Interested persons are invited to submit one page abstracts prepared in LaTeX. The abstract must contain the title, full name of the authors, affiliations and e-mail addresses (see template). The accepted abstracts will be made available electronically on the VIAM webpage before the conference. Abstracts must be electronically submitted before April the 1<sup>st</sup>, 2021, in Tex and PDF via the VIAM submission system: <http://www.viam.science.tsu.ge/userspace/login>

After the conference authors of accepted abstracts will be invited to submit papers for publication in a special issue of an international journal. Previous AMINSE2017, AMINSE2019 special issues have been published in Springer Proceedings in Mathematics & Statistics (<https://www.springer.com/us/book/9783030104184>). The submissions to the special issue will undergo the usual journal reviewing process.

#### IMPORTANT DATES

- April the 1<sup>st</sup>, 2021 – Deadline for abstract submission
- April the 15<sup>th</sup>, 2021 – Abstract acceptance notification
- May the 15<sup>th</sup>, 2021 – Deadline for early registration fee

#### REGISTRATION FEES

For Participants:

Payment until May the 15<sup>th</sup>, 2021 - \$ 200

Payment after May the 15<sup>th</sup>, 2021 - \$ 300

For Students - \$ 150

For Accompanying Persons - \$ 150

#### Registration fee includes

Participants	Accompanying Persons
- Book of Abstracts	- Conference dinner
- Final Program	- Opening Reception
- Coffee breaks	- Excursion
- Opening reception	
- Certificate of attendance	
- Conference dinner	
- Excursion	

#### ORGANIZING COMMITTEE

Natalia Chinchaladze, VIAM, Tbilisi State University, Georgia (Chair)

Mariam Beriashvili, VIAM, Tbilisi State University, Georgia (Scientific Secretary)

Besik Dundua, VIAM, Tbilisi State University, Georgia

Bakur Gulua, VIAM, Tbilisi State University, Georgia

Mikheil Rukhaia, VIAM, Tbilisi State University, Georgia

## CONTACT

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