

Международный форум «Математические методы и модели в  
высокотехнологичном производстве»

International forum «Computational and mathematical methods and modelling in  
high-tech manufacturing»



В рамках подготовки к проведению в Санкт-Петербурге в 2022 году с 6 по 14 июля XXIX Международного конгресса математиков в Санкт-Петербургском государственном университете аэрокосмического приборостроения 10-11 ноября 2021 года состоится Международный форум «Математические методы и модели в высокотехнологичном производстве». Форум проводится при сотрудничестве с институтом математики Бургундии, Институтом математики и информатики Болгарской академии наук и Полоцким государственным университетом.

In preparation for the XXIX International Congress of Mathematicians to be held in St. Petersburg in 2022 from July 6 to 14, the International Forum "Computational and mathematical methods and modeling in high-tech manufacturing" will be held at the St. Petersburg State University of Aerospace Instrumentation on November 10-11, 2021. The Forum is held in cooperation with the Institute of Mathematics of Bourgogne, the Institute of Mathematics and Informatics of the Bulgarian Academy of Sciences and Polotsk State University.

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**Цель конференции**

Обмен опытом ведущих специалистов в области использования математических методов в высокотехнологичном производстве.

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**The purpose of the Conference**

The purpose of the conference is to exchange the experience of leading specialists in the use of mathematical methods in high-tech manufacturing.

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**Мы приглашаем** ученых, научных сотрудников, преподавателей, аспирантов и студентов образовательных организаций высшего образования, научно-исследовательских институтов, производственных предприятий Российской Федерации, научных учреждений и ВУЗов зарубежных стран.

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**We invite** scientists, researchers, professors, postgraduates and students of educational organizations of higher education, research institutes, industrial enterprises of the Russian Federation, scientific institutions and universities of foreign countries.

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**Секции**

1. Фундаментальная математика – основа наукоемкого производства
2. Математические методы и модели в приборостроении и радиоэлектронике
3. Информационные технологии и математическое моделирование высокотехнологичных систем

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**Sections**

1. Fundamental mathematics as the basis of high-tech manufacturing
  2. Mathematical methods and models in instrumentation and radio electronics
  3. Information technologies and mathematical modeling of high-tech systems
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<p>4. Моделирование природно-технических систем и управление техносферной безопасностью</p> <p>5. Математическое моделирование и диджитализация измерительных систем</p> <p>6. Моделирование и ситуационное управление качеством сложных систем</p> <p>7. Эконометрические исследования и прогнозное моделирование</p> <p>8. Инновационные методы и технологии преподавания дисциплин физико-математического профиля</p>	<p>4. Modeling of natural and technical systems and management of techno-sphere safety</p> <p>5. Mathematical modeling and digitalization of measurement systems</p> <p>6. Modeling and situational quality management of complex systems</p> <p>7. Econometric research and predictive modeling</p> <p>8. Innovative methods and technologies of teaching physical and mathematical disciplines</p>
<p><b>Форма участия</b> очная, дистанционная (ZOOM), дистанционная (видео-презентации), дистанционная (электронные постеры)</p> <p><b>Рабочие языки конференции</b> Русский, английский</p> <p><b>Сроки подачи заявок</b> Очная – до 18 октября дистанционная (ZOOM) – до 25 октября видео-презентации и постеры – до 1 ноября</p>	<p><b>Form of participation</b> face-to-face scientific sessions, virtual sessions in Zoom, pre-recorded video-reports, or E-poster presentations</p> <p><b>Working languages of the conference</b> Russian, English</p> <p><b>Deadline</b> face-to-face sessions – October 18 virtual sessions in Zoom – October 25 video-reports, or E-poster – November 1</p>
<p><b>Место проведения</b> Санкт-Петербургский государственный университет аэрокосмического приборостроения, Санкт-Петербург, ул. Большая Морская, д.67А (региональное пространство коллективной работы «Точка кипения – Санкт-Петербург. ГУАП»).</p>	<p><b>Conference Venue</b> St. Petersburg State University of Aerospace Instrumentation, Sankt-Petersburg, Bolshaya Morskaya str. 67A (regional collective work space "Boiling Point – St.-Petersburg. GUAP").</p>
<p><b>Публикация трудов конференции</b> Публикация тезисов докладов (1-4стр.) на русском/английском языках будут изданы в трудах конференции (индексация РИНЦ) Публикация статей (5-6 стр.) на английском языке планируется издать в международном журнале, индексируемом Scopus.</p>	<p><b>Publication of conference proceedings</b> Publication of abstracts (1-4 pages) in Russian/English will be published in the proceedings of the conference (RSCI indexing) The publication of articles (5-6 pages) in English is planned to be published in an international journal indexed by Scopus.</p>
<p><b>Контакты</b> Для вопросов, касающихся участия в конференции, и для подачи заявок до открытия официального сайта: <b>Смирнов Александр Олегович,</b> kaf54@guap.ru</p>	<p><b>Contact Details</b> For the questions concerning the participation in conference and for submitting applications before the opening of the official website: <b>Smirnov Aleksandr,</b> kaf54@guap.ru</p>

### Organizing Committee

1. Yulia A. Antokhina, rector of the Sankt-Petersburg State University of Aerospace Instrumentation (SUAI), St-Petersburg, Russia, the Chairman of the Organizing Committee

2. Elena A. Frolova, Doctor of Science, the Co-chairman of the Organizing Committee, Head of Institute of Fundamental Training and Technological Innovations, SUAI
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20. Vladimir B. Il'in, Doctor of Science, Professor at the Department of Astrophysics, Faculty of Mathematics and Mechanics, Saint-Petersburg State University
21. Yuri A. Nagovitsin, Doctor of Science, Vice Director of Main (Pulkovo) Astronomical Observatory of the Russian Academy of Sciences, Saint-Petersburg
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27. Elena E. Aman, Candidate of Science, Associated Professor at the Department of Advanced Mathematics and Mechanics, SUAI