



ASEDU

Advances in Science, Engineering
and Digital Education



SSC DNIT

Siberian Scientific Centre



RUSSIAN AND
INTERNATIONAL UNION
OF SCIENTIFIC AND
ENGINEERING ASSOCIATIONS



AIP

American Institute
of Physics



**KRASNOYARSK STATE
PEDAGOGICAL
UNIVERSITY (KSPU)
NAMED AFTER
V. P. ASTAFYEV**

AIP | Conference Proceedings

AIP Conference Proceedings Report findings presented at many of the most
important scientific meetings around the world.

INFORMATION LETTER

ASEDU-II 2021: II International Conference on Advances in Science, Engineering and Digital Education

(Krasnoyarsk, Russia, 28 October 2021)

International and Russian Union of Scientific and Engineering Associations, Krasnoyarsk Regional Union of Scientific and Engineering Associations, Krasnoyarsk Science and Technology City Hall, Siberian Scientific Centre DNIT and Krasnoyarsk State Pedagogical University named after V. P. Asfayev are organizing II International Scientific Conference on Advances in Science, Engineering and Digital Education – ASEDU-II 2021. The Conference will take place in Krasnoyarsk on 28 October 2021.

Scientists and faculty from Russian and foreign universities, academic institutes, practitioners, graduate students, teachers of vocational and higher education, schools and institutions of additional education are invited to participate in the Conference.

The purpose of the conference is to share the results and prospects in the development of science and technology, professional, scientific and technical education, computer technologies and digital educational environment based on innovative technologies. The conference is dedicated to advanced technologies in science and technology, modern achievements in the field of natural science, engineering and digital education. The key speeches and discussion will be devoted to the urgent issues of introducing modern methods and technologies in technical and digital education, including the trends and prospects of modern education in mathematics, physics, computer science, vocational training, etc.

The work of the Conference is planned in the following directions:

- 1. Natural Science and Education**
 - ✓ *New directions and areas of Mathematics, Physics, Chemistry, Biology, Earth Sciences, Geology, Geography, Astronomy, as well as natural science knowledge, methods of teaching technical and natural science subjects*
- 2. Engineering and Vocational Education**
 - ✓ *Industrial Engineering*
 - ✓ *Construction Engineering*
 - ✓ *Innovative Engineering: Development and HR*
 - ✓ *Business Engineering*
 - ✓ *Software Engineering and Cybernetics*
 - ✓ *STEM Education and WorldSkills*
 - ✓ *Use of Artificial Intelligence in Engineering and Education*
 - ✓ *Digitalisation and its Effect on Science and Vocational Education*
 - ✓ *Use of Artificial Intelligence in Science and Education*
- 3. Digital Transformations in Science and Education: New Trends and Technologies**
 - ✓ *Information and Communication Technologies in Technical Education*
 - ✓ *Development of Digital Educational Environment based on Innovative Technologies*
 - ✓ *E-learning Hardware and Software*
 - ✓ *Theoretical Bases of E-learning Environment*
 - ✓ *Big data*
 - ✓ *E-learning in Technical Education*
- 4. Computer Science and Education**
 - ✓ *Data mining*
 - ✓ *Gamification in Education*
 - ✓ *Human-Computer Interaction in Science and Education*
 - ✓ *Image processing*
 - ✓ *Integrated Online Courseware*
 - ✓ *Software Design and Engineering Education*
 - ✓ *Web-based Training*
 - ✓ *Virtual Learning and virtual Reality*

<https://conf.domnit.ru/en/conferences/asedu-2021/>

The Conference will take place on 28 October 2021 in Krasnoyarsk Science and Technology City Hall of the Russian Union of Scientific and Engineering Associations and in Krasnoyarsk State Pedagogical University named after V. P. Asfadyev.

All conference papers accepted to the Conference will be presented in one of the formats (face-to-face scientific sessions, virtual sessions in Zoom, pre-recorded video-reports, or E-poster presentations).

One can register for the Conference on-line on the web-site of the Conference (<https://conf.domnit.ru/en/conferences/asedu-2021/>). The registration is open from July 2021 till October, 2021.

Proceedings of the Conference

The Proceedings of the Conference in the form of full papers in the English language will be sent to **AIP Conference Proceedings** for evaluation and publishing. The proceedings of ASEDU-I-2020 were published in Journal of Physics: Conference Series (volume 1691).

The official languages of the Conference are Russian and English. The Organizers will provide professional interpretation if required.

Conference Venue

The Conference will take place in Krasnoyarsk Science and Technology City Hall: 61 Uritskogo Street, Krasnoyarsk, Russia and at Krasnoyarsk State Pedagogical University named after V. P. Asfadyev - Krasnoyarsk, 89 Ada Lebedeva street.

We will provide the participants with visa support documents (an official letter of invitation). We will be glad to help with accommodation in cozy and hospitable hotels of Krasnoyarsk at special prices to all participants during the conference by priory arrangement. Accommodation and travel expenses are paid by sending organizations.

Registration Fee

The registration fee for participation is 250 EURO. The fee is paid after the notice about acceptance of the paper but not later than October 28, 2021.

Contact Details

Please forward all the questions concerning the participation and the programme to the executive secretary:

Anna Voroshilova Tel. +7 391 227 84 84, +7 999 318 33 34

E-mail: krasnio@bk.ru

Krasnoyarsk Science and Technology City Hall of the Russian Union of Scientific and Engineering Associations, 61, Uritskogo street, Krasnoyarsk, 660049, Russia



ASEDU

Advances in Science, Engineering
and Digital Education

Detailed information is available at the website:

<https://conf.domnit.ru/en/conferences/asedu-2021/>