

## Preface

The introduction of digital technology into the educational environment is one of the most important elements of the harmonious development of society. However, the most effective ways of developing digital educational technologies for training engineers of the future are far from obvious: distance self-directed online learning, blended learning, digital classroom learning - in which cases each of the forms is most effective? Is it possible to create electronic educational resources for conducting classroom studies, including basic math courses? What is the effect of the introduction of interactive electronic educational resources? Is it realistic to create a network of universities covered by a single digital education platform?

These and many other issues were discussed at the International Scientific and Methodological Forum "IT-technologies for engineering education: new trends and implementation experience" (ITEE-2019), dedicated to digital technologies in engineering education, which took place in Moscow on November 28-29, 2019 at the initiative of the Bauman Moscow State University.

Forum "IT for Engineering Education: New Trends and Implementation Experience" is the first thematic international platform for the exchange of knowledge and experience in the field of digital education for engineers. Representatives of higher schools, the scientific community discussed the best practices of digital technologies for training engineering personnel, formed proposals for organizing and coordinating work between technical universities, discussed the problems of standardizing educational programs, taking into account the introduction of new digital technologies.

The forum included a plenary session with the participation of international experts in the field of education, 5 thematic sections covering all aspects of creating high-quality educational digital content, 3 master classes with the best practices in the presentation of digital educational technologies and 4 round tables discussing issues on specific topics.

### Forum sections

- Engineering Education Technology Based on Using Digital Resources;
- Digital University;
- IT Technology in Mathematical Education of Engineers;
- Modernization of Engineering Courses based on software for Computer Simulation;
- Digital Inclusive Education.

### Master classes

- Digital System "Digital university" Designed to Manage the Educational Process;
- The Digital Learning System Nomotex Designed for Mathematical Training of Engineers;
- Digital Technologies in Inclusive Education.

## **Panel Discussions**

- Legislative and Regulatory Regulation of Engineering Digital Education;
- Anthropological Dimension of Digital Technologies in Engineering Education;
- International Integration in the Field of Digital Engineering Education;
- Meeting of the Council on Professional Qualifications in the Field of Information Technology.