

VI International Scientific Conference «Integration, Partnership and Innovation in Construction Science and Education» (IPICSE–2018)

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Preface

Moscow State University of Civil Engineering has been holding the International Scientific Conference "Integration, partnership and innovations in construction science and education" (IPICSE) since 2011. At present, the conference is held once in every two years.

A distinctive feature of the Conference is the creation of a single knowledge space in science and education by building an interaction chain between universities, industry research institutes and academic innovation centres with representatives of the construction business.

The subject matter of the Conference covers the latest scientific achievements in the most relevant directions for the development of the construction industry, which corresponds to the Strategy of Scientific and Technological Development of the Russian Federation.

The participants of the Conference are both famous scientists - academicians of global renown, and young promising scientists.

Over 500 representatives from 31 countries took part in the IPICSE Conference in 2018.

The Scientific Committee was represented by the scientists and experts from Belarus, Brazil, Great Britain, Germany, Italy, Iran, USA, Canada, China, Latvia, Lebanon, Poland, Portugal, Russia, Slovakia, Sweden, and Czech Republic.

The IPICSE-2018 included the work of six scientific sections, where more than 300 scientific papers were presented on the following topics:

- Building materials
- Reliability and Safety in Construction
- Engineering and Smart Systems in Construction
- Modelling and Mechanics of Building Structures
- Management in Construction
- Risk Management in Construction

Research and practice seminars were held within the framework of the IPICSE-2018 scientific program. There were presented 114 reports on the following topics:

- Engineering and Automated Systems, Machines and Mechanisms in Construction
- Engineering and Project Management in Construction
- Geotechnical, Energy and Hydrotechnical Construction
- System Engineering in Construction. Cyberphysical Construction Systems
- Actual Issues on the Theory of Seismic Resistance

The Conference format makes it possible to consider issues from 3 sides: scientific, practical and educational. Being an up-to-date multi-disciplinary research platform for international scientific schools, the IPICSE Conference provides an opportunity to share practical experience and knowledge on all pressing issues of the construction industry.

Andrey Volkov, Andrey Pustovgar, and Aleksey Adamtsevich
Moscow, Russia, November 2018