

Preface

The International Scientific Conference “Construction and Architecture: Theory and Practice for the innovation Development” (CATPID-2019) was held from 01 to 05 October 2019 on the basis of Self-regulatory organization Association “Association of builders of the South and North Caucasus districts”, Kislovodsk. CATPID 2019 was the second time in a separate conference format.

The work of the conference was aimed at providing an opportunity for scientists, graduate students and representatives of the construction industry to generalize the recent achievements results in the field of industrial and civil construction (design, organization of all types of work, construction materials, etc.), discussing promising directions for the construction industry development and establishing useful partner relationships for future interaction.

The conference was held on numerous topics:

- Construction mechanics and theory of structures, civil and industrial engineering
- Architecture, design, reconstruction and restoration of architectural heritage
- Building materials and technologies of binders, concretes and building ceramics
- Organization and technology of construction production. Geodesy, cartography and photogrammetry
- Innovations in engineering services: heating, gas supply, ventilation and air conditioning, water supply and water removal
- Computational methods, mathematical models and information technologies in construction
- Operation and reliability of transport and technological machines and complexes
- Construction of roads, bridges, tunnels and airfields
- Economy in construction

796 participants from 44 regions of the Russian Federation and 19 participants from 8 countries of the near and far abroad (Abkhazia, Armenia, Bulgaria, Vietnam, Iraq, Kazakhstan, Lebanon, Ukraine) were registered for the conference in 2019.

The important problems of construction and architecture (from ideas and projects to immediate implementation) are raised and the ways of their solution and optimization are suggested in the reports presented in frameworks of these topics. Many reports were prepared as a benefit of the state support of science in forms of grants, federal target programs, resolutions of the Government of the Russian Federation and other programs.

Particular attention is paid to young researchers, whose works are evaluated separately. The general impression associated with the organization and holding of the conference is very positive.

The annual holding of such conferences is planned to be organized on the main topics of the construction industry.

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