

Welcome  
message from the Technical Program Committee Chairs

Dear Colleagues,

On behalf of the National Research University "Higher School of Economics" and Tomsk IEEE Chapter & Student Branch it is an honor and pleasure to cordially invite you to participate in the International Siberian Conference on Control and Communications SIBCON-2016, jointly organized by the Siberian IEEE community and National Instruments R&D. The meeting continues traditions of international conference SIBCON since 1995.

Communication and control systems will be a major player in the global word market. The technical challenges and opportunities in communications and control are progressing at an unprecedented pace. The merging of technical research and business applications is increasingly important as traditional circuit and data services are intertwined with the Internet. Extending communication technologies to wideband services stimulates the development of new types of circuits and systems oriented toward the realization of low-cost, low-voltage, and portable devices. These reasons have determined the choice of the conference topics.

The Technical Committee has carefully considered submissions to design a comprehensive program of technical papers that spans most of the key areas. We have been able to put together a very interesting technical program with assistance of an excellent Technical Program Committee. Among the topics receiving the largest numbers of papers for Conference were signal processing, computer measurement technologies, and various control systems. As is evident from just those categories alone, the technical program will almost assuredly provide some topics of interest for all attendees. In the opinion of the Organizing Committee, session topics include the main part of perspective questions and problems, for example, sensors for Internet of things.

When we planned the SIBCON conference, we envisioned a meeting that engineers and scientists would gather and openly discuss all aspects of control and communications. Thus, it would be more inclusive than the traditional event in material physics, microwave and wireless circuits and systems, electron devices. Instead, aspects from each of these different, individual symposia would be brought together under one symposium to unify a single community of engineers interested in developing the next generation technique. Furthermore, we wanted to include the contributions from engineers throughout the world since progress is always accelerated when everyone's ideas are heard. We believe this tradition conference succeeded to meet both of these goals.

A record number of 590 papers were submitted, and 228 papers accepted for 12 sessions. Because the Conference is limited to three days, it was necessary to reject almost twice as many papers contributed. The Conference program is a result of the rigorous selection procedure: the acceptance ratio was 38.5 %. Papers both of academia and industry were accepted. The unique industry program prepared by National Instruments R&D is intended to have attendees share an industry trends. So, the motto of our Conference is "Renaissance of academy and industry during dark day season". The conference program is completed with a post-conference day including several sessions and social program.

No event can be successful without the support and encouragement of sponsors. So, thanks go to HSE, NI, and Russia Siberia Section. This inaugural collaboration between the Tomsk IEEE Chapter and sponsors promises to be a milestone event promoting the interaction of our researchers with leading companies.

We also encourage you to take advantage of the wonderful opportunity to meet and exchange ideas with colleagues. We think that's the spirit of good technical conferences to share as by-products. Once we are here in the hope of meeting old acquaintances to know what they are doing, and above all, of making new friends with similar technical expertise and interests.

This year the Conference has new venue – Moscow. We are proud that SIBCON traditionally held in Siberia has whirlwind to capital of Russia. Moscow is a beautiful city with many historic spots and various natural view scopes. A lot of tourists from abroad visited Moscow this year. We certainly hope that you will enjoy our environment.

The success of any event is due to the efforts of many people, and this conference is no different. Gratitude is also deserved for the IEEE Electron Devices Society for continuous technical support. I would like to welcome all the participants, and especially, to express the warmest gratitude to all the paper presenters for sharing their valuable experiences with us, on behalf of the organizing committee of the conference. Many thanks bring to Ilya A. Ivanov for his outstanding efforts. My special thanks go to my good friends and reviewers, without whose help this conference would not have taken place.

Welcome to SIBCON and welcome to Moscow!

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