

## Welcome message from the Technical Program Committee Chairs

On behalf of the entire SIBCON-2017 Technical Program Committee and the City of Astana, we feel privileged and honored to invite you to be a part of this international multidisciplinary forum by sharing your academic and industrial work in the all areas of control and communications.

Three and a half years ago we discussed the initiative of participation in the IEEE activities. We are proud to have the premiere in Astana this year. We wish all attendees a fruitful and challenging SIBCON 2017 conference. Our conference is now in its 22 year. The uniqueness of the SIBCON is that it represents significant and achievements in allied control and communications design and application area. The Conference is held in a region with rapidly growing research, production, and sales. The Conference provides unique opportunities for experts as well as leaders in technology, application, and business areas to gather in Astana and to exchange ideas and information.

This year, we are pleased to offer a superb technical program including more than 180 technical papers. More than 360 paper submissions allow us to bring you a conference of the highest technical caliber. This year papers are distributed over 20 sessions all scheduled for two days. The topics addressed by these high quality papers include Network management and services, WLAN and Mobile WIMAX, 3G and 4G systems, Multiple Access Technology, Wireless Multimedia Services, Networking and computing in challenged environment, Sensor networks, Control and Signal Processing, Computer Measurement Technologies, Sensors and Systems, Control Systems, Robotics and Mechatronics, Power Generation, Transmission and Distribution, Smart Grid Technologies & Applications, Power Electronics Controllers for Power Systems, Electro-Mechanical Energy Conversion, Advanced Control methods for power systems. Highlights include invited and tutorial papers from leading experts from industry and academia.

All the traditional SIBCON topics are very well covered. It is Communications, Control Systems, Electromechanics, Internet of Things, Methods of Measurement, Networking Control, Process Control, The Computer Measurements, Theory of Control. Number of papers in all of those areas seems to be well balanced, which can be treated as a sign of maturity of the conference. A significant number of papers are planned as joint sessions by common topics (energy-control, control-measurements etc.) indicating the strong link between these conferences and allowing participants to get a flavor of the topics presented in SIBCON. A noticeable feature of this year's submissions is the large number of both analogue and digital papers addressing communications and related high frequency applications, reflecting the enormous significance of this market sector.

You have the opportunity to attend and explore exhibition dedicated to the control and comms industry in conjunction with the excellent technical programs and abundant social activities. This exhibition will also feature university and academic laboratory booths. We will see a strong presence of National Instruments company. Therefore, we expect to have more business interactions and exchanges among our well established exhibitors, new exhibitors and attendees.

As a special note, we would like to encourage you to feedback. We do take you feedback very seriously and you will find that your suggestions, when practical and shared by other attendees, will find their way into next year's program.

Despite of uncertain economic situation and financial worldwide turmoil, we are expecting to have about 700 attendees and EXPO visitors. This high expectation is encouraged by early indications that point to a very successful conference. We have already broken historic SIBCON including an all-time record number of technical paper submissions, an all-time record number of presentation proposals, and so many commercial interest never before. We are building not just a larger SIBCON, but also a better one, starting right here in Astana.

Astana is one of the most modern, welcoming, artistic, innovative, and diversified cultural cities. The city offers everything to everyone with easy access to everywhere. Astana is a very beautiful place full of people of all ages. Most of the million local residents are multilingual with multiple cultural backgrounds. We have prepared a set of local tours and guest programs for all interested parties and family members during SIBCON to facilitate and enrich your stay in Astana. You will also find that your presence at SIBCON will add a special international flavor to Astana's beautiful summer decorated by EXPO.

We are looking forward to an exciting and high level scientific program, combined with many social activities that will give the opportunity to all delegates for networking and sharing experience while enjoying the beautiful city of Astana.

Sergey V. Mogilnyy  
Oleg V. Stukach

Program Co-Chairs