

General information

The organizer of the 25th IEEE SPA (Signal Processing Algorithms, Architectures, Arrangements, and Applications) Conference (21st–22nd September 2022, Poznań, Poland) is as previously the IEEE Polish Circuits and Systems (CAS) Chapter and the conference venue is again the Center for Mechatronics, Biomechanics, and Nanoengineering at the Piotrowo Campus (Jana Pawła II 24 Street) of the Poznań University of Technology, Poland.

The main goal of the IEEE SPA conferences consists in presentation of the newest achievements in a wide and interdisciplinary area of signal processing in order to integrate various researchers active in this and in related fields of science and technology. The discussed problems cover a wide spectrum of topics starting with the signal theory, methods for processing of multimedia (audio, image, video) as well as other signals (including biological and medical signals), then continuing with various applications of signal processing e.g. in artificial intelligence, biometry, etc. and finishing with the respective realization techniques and technologies.

It is great honor to all of us that the President of the Poznan University of Technology Professor Teofil Jesionowski, Chancellor Dr. Janusz Napierała, Vice-Dean of the Faculty of Automatic Control, Robotics & Electrical Engineering Professor Sławomir Stepień together with the Head of the Institute of Automatic Control and Robotics Professor Dariusz Pazderski, are opening our meeting.

Moreover many distinguished scientists and experts are our guests and conference participants.

In this year, we have a great pleasure to announce five tutorial lectures prepared by famous scientists. Our guests are: Professor Patrick Dewilde from the Institute for Advanced Study at the Technische Universität München, Germany, Professor Marcel Rupf from the Institute of Signal Processing and Wireless Communications (ISC) at the ZHAW School of Engineering, Switzerland, Professor Bożena Kostek from Audio and Acoustics Laboratory, Faculty of Electronics, Telecommunications, and Informatics at the Gdańsk University of Technology, Poland, Professor Andrzej Materka from the Institute of Electronics at the Łódź University of Technology, Poland and Professor Sanja Lazarova-Molnar Leader of the Modelling, Simulation and Data Analytics Research Group at the Marsk Mc-Kinney Møller Institute, Faculty of Engineering, Denmark.

The regular papers will be presented in oral sessions held in one stream. The papers were accepted on the basis of reviews prepared by the Scientific Committee Members and by additionally invited Reviewers. We expected at least three reviews per paper (we obtained 102 reviews for 32 evaluated papers). Many thanks to the Reviewers for their time, effort, and assistance. The paper acceptance rate occurred to be slightly more than 80 %.

I hope that the present IEEE SPA conference will be a valuable and helpful scientific and professional event.

On behalf of the Scientific and Organizing Committees I would like to welcome all of you to the meeting!

Poznań, September 2022

Professor Adam Dąbrowski
Chairman of the IEEE SPA Scientific and Organizing Committees