Message from the IDAACS 2023 Co-Chairmen

It's our pleasure to welcome all attendees the 2023 IEEE 12th International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS), www.idaacs.net, which is running in Dortmund, Germany, 7-9 September, 2023 in a hybrid mode.

The main goal of IDAACS'2023 is to provide a forum for high-quality reports on the state-of-the-art Theory, Technology and Applications of Intelligent Data Acquisition and Advanced Computer Systems as used in different areas. A family of IDAACS Workshops has already been created since the IEEE 1st IDAACS Workshop was in Foros, Crimea, Ukraine, July 1-4, 2001. After that the following IDAACS Conferences were held in Lviv, Ukraine, 2003, Sofia, Bulgaria, 2005, Dortmund, Germany, 2007, Rende (Cosenza), Italy, 2009, Prague, Czech Republic, 2011, Berlin, Germany, 2013, Warsaw, Poland, 2015, Bucharest, Romania, 2017, Metz, France, 2019, Cracow, Poland, 2021. Moreover, IDAACS Symposia on Wireless Systems (SWS) were held in Offenburg, Germany in 2012, 2014, 2016, in Lviv, Ukraine in 2018, and in Dortmund, in 2020.

The conference venue in 2023 is the city of Dortmund, located in the Ruhr Valley which has been the industrial (steel and coal) heartland of Germany. Dortmund was one of the largest steel production sites, same as Bochum, Herne and Gelsenkirchen, the other partner cities of IDAACS 2023 in the Ruhr Valley. Nowadays, the region has been transformed into a technology and innovation hub with many universities and research institutes.

The IDAACS 2021 Conference is organized by the Research Institute for Intelligent Computer Systems, West Ukrainian National University (WUNU) and V.M. Glushkov Institute of Cybernetics, National Academy of Sciences, Ukraine in cooperation with the EuroPIM – European Partnership for Project and Innovation Management, Fachhochschule Dortmund - University of Applied Sciences and Arts, Dortmund, Germany.

It is supported and sponsored by IEEE Ukraine Section I&M / CI Joint Societies Chapter, IEEE Germany Section I&M Society Chapter, Ruhrvalley Cluster e.V. The DeepTech Innovation Network, MDPI Sensors, MagneticOne and River Publishers.

The International Program Committee of IDAACS'2021 is co-chaired by Jürgen Sieck, Germany, Yuriy Kondratenko, Ukraine, Agata Manolova, Bulgaria, Andrea Kienle, Germany, Masami Iwase, Japan, many thanks to them as well as all members of IPC. The 337 papers were submitted by authors from the 55 countries. We express our gratitude to all the reviewers, their names are listed in the proceedings, for their contribution to the quality and success of this Conference. After the reviewing process, the 223 papers were accepted for a publication in the Conference proceedings. All the presentations are organized into the 4 types of paper presentation format: on-site oral, on-site poster, online oral and online poster presentation. Hence there were: 18 on-site oral, 2 on-site poster, 12 online oral and 5 online poster sessions.

The three prominent experts have deliver keynotes: Prof. Richard Duro, Grupo Integrado de Ingeniería Centro de Investigación en Tecnologías de la Inforamación y las Comunicaciones, Universidade da Coruña, Spain, Prof. Inna Skarga-Bandurova, AI Research Group, Oxford Brookes University, UK, and Dr Danilo Pelusi, Department of Communication Sciences, University of Teramo, Italy. We appreciate their contribution to the IDAACS 2023 Conference very much.

Lastly, we would like to thank all our friends and colleagues from the previous IDAACS' conferences as well as new participants coming to Dortmund and attending online to discuss the latest achievements in the fields of Intelligent Data Acquisition and Advanced Computer Systems!

Enjoy attending the IDAACS'2023 Conference!

Anatoliy Sachenko   Carsten Wolff   Uwe Grossmann   Christof Roehrig