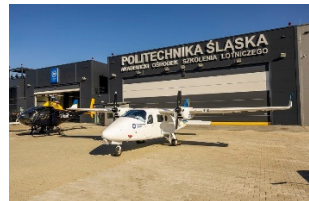


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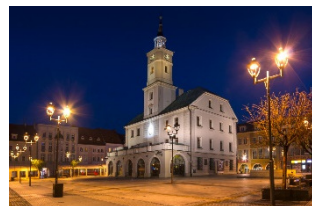
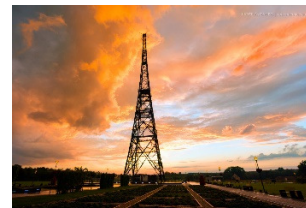
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IMPORTANT DATES

Abstract submission: **31 March 2025**
Notification of Acceptance: **31 May 2025**
Camera ready paper: **30 June 2025**
Early registration: **1 June – 15 July 2025**



TENTATIVE CALL FOR PAPERS



IDAACS'2025

The 13th IEEE International Conference on
**Intelligent Data Acquisition
and Advanced Computing Systems:
Technology and Applications**

**September 4-6, 2025
GLIWICE, POLAND**



Organized by

Research Institute for Intelligent Computer Systems,
West Ukrainian National University and
V.M. Glushkov Institute of Cybernetics,
National Academy of Sciences of Ukraine

in cooperation with

Silesian University of Technology, Poland
(Department of Economy and Informatics,
Department of Mathematical Methods in Technics and
Informatics,
Association of Alumni of the Silesian University of Technology
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www.idaacs.net

Proceedings History

The first Workshop IDAACS'2001 was organized in a beautiful resort area Foros, Crimea, Ukraine. Then were followed: IDAACS'2003 in Lviv, Ukraine, IDAACS'2005 in Sofia, Bulgaria, IDAACS'2007 in Dortmund, Germany, IDAACS'2009 in Rende, Italy, IDAACS'2011 in Prague, Czech Republic, IDAACS'2013 in Berlin, Germany, IDAACS'2015 in Warsaw, Poland, IDAACS'2017 in Bucharest, Romania, IDAACS'2019 in Metz, France, IDAACS'2021 in Cracov, Poland and Ternopil, Ukraine, IDAACS'2023 in Dortmund, Germany. Now we would like to invite all our friends from the previous IDAACS as well as worldwide researchers to attend the IDAACS'2025 in Gliwice and discuss latest achievements in Intelligent Data Acquisition and Advanced Computer Systems.

The main goal of the IDAACS 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 measurement, automation, and scientific research, in industry and in business.

The importance of IDAACS is its vision to establish scientific contacts between research teams and scientists from different countries for future joint research collaborations.

The Expected Benefit

IDAACS provides the opportunity to discuss topics with colleagues from different spheres such as academia, industry, instrumentation and computer manufacturing companies, public and private research institutions and organizations. IDAACS with its truly international character promotes the development of relationships between former Eastern and Western Europe, and with countries from all parts of the globe.

Conference Language and Publications

The official Conference language is English. No simultaneous translation will be provided. All materials concerning the IDAACS'2025 should be written in English. A number of selected papers will be collected for a publication in international journals indexed by Web of Science, Ei Compendex and Scopus.

Tentative Streams and Topics

The conference scope includes, but it is not limited:

1. Advanced Instrumentation and Data Acquisition Systems
2. Advanced Mathematical Methods for Data Acquisition and Computing Systems
3. Computational Intelligence for Instrumentation and Data Acquisition Systems

4. Data Analysis and Modeling
5. Intelligent Information Systems, Data Mining and Ontology
6. Intelligent Computing Systems for Commercial Applications
7. Intelligent Distributed Systems, Embedded Systems and Remote Control
8. Internet of Things and Industrial Internet
9. Pattern Recognition, Digital Image and Signal Processing
10. Computer Systems for Healthcare and Medicine and Bio-Informatics
11. Hybrid Intelligent Systems
12. Big Data and Data Science
13. Human-Computer Interaction, Virtual and Augmented Reality
14. Intelligent Robotics and Sensors
15. Special Stream on Intelligent Software Systems and Tools
16. Special Stream on Advanced Machine Learning
17. Special Stream on Cyber Security
18. Special Stream on Design and Testing of Advanced Computer Systems
19. Special Stream on Wireless Systems
20. Special Stream on Advanced Project Management
21. Workshop Cyber Physical Systems and IoT Dependability and Resilience (CyberIoT 2025)
22. Workshop Beyond 5G and 6G Networks Technologies and Security

Invitation to Sponsoring Program

Organizations interested in presenting their products are invited to participate in the Sponsor Program and to take part in the Technical exhibition. The exhibition area assigned during the IDAACS'2025 will be offered free of charge for sponsors only.

Accompanying Persons Program

A social and tour program will be organized.

Submission

Prospective authors are invited to submit an extended abstract of 3-4 pages (in English only).

The manuscript should define the scope of the paper, emphasize on new advances, theories and/or applications and include an analysis of results and findings. It must be structured such that the program committee will be able to understand the originality and the value of the work.

All the information concerning IDAACS'2025 will be available soon at:

www.idaacs.net

Accepted papers will be published in Conference Proceedings and available in the IEEE Xplore and indexed by Scopus and DBLP. Conference Proceedings will be applied to Web of Science as well (previous IDAACS Proceedings were indexed by Web of Science).

The City of Gliwice

Gliwice is a city in Upper Silesia, in southern Poland. The city is located in the Silesian Highlands, on the Kłodnica river (a tributary of the Oder). It lies approximately 25 km west from Katowice, the regional capital of the Silesian Voivodeship.

Gliwice is the westernmost city of the Metropolis GZM, a conurbation of 2.0 million people, and is the third-largest city of this area, with 175,102 permanent residents as of 2021. It also lies within the larger Katowice-Ostrava metropolitan area which has a population of about 5.3 million people and spans across most of eastern Upper Silesia, western Lesser Poland and the Moravian-Silesian Region in the Czech Republic. Gliwice is bordered by three other cities and towns of the metropolitan area: Zabrze, Knurów and Pyskowice. It is one of the major college towns in Poland, thanks to the Silesian University of Technology, which was founded in 1945 by academics of Lwów University of Technology. Gliwice is also known for its Radio Tower, where Gleiwitz incident happened shortly before the outbreak of World War II and which is thought to be the world's tallest wooden construction.

On the Market Square there is a fountain of Neptune, the presence of which means that Gliwice has access to the sea. Perhaps you will be surprised how it happened that the city, which is located almost 500 km in a straight line from the Baltic Sea, has access to it? This was made possible by the construction of the Kłodnica Canal, which connected the city to the Odra River, and goods could be transported from Gliwice to the Baltic Sea and then transported further to other countries in Europe and the world. Thanks to this, industry developed in the city.