SUMMARY REPORT
on the 7th IEEE Conference on “Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications” (IDAACS’2013)

The 7th IEEE Conference on “Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications” (IDAACS’2013) was held on September 12-14, 2013, in Berlin, Germany. It was organized by the Research Institute for Intelligent Computer Systems, Ternopil National Economic University (TNEU), and University of Applied Sciences Berlin (HTW Berlin). The IDAACS’2013 is a 11-year event from its beginning in 2001 after six successful events: IDAACS’2001 in Foros, Crimea, Ukraine, IDAACS’2003 in Lviv, Ukraine, IDAACS’2005 in Sofia, Bulgaria, IDAACS’2007 in Dortmund, Germany, IDAACS’2009 in Rende, Italy, and IDAACS’2011 in Prague, Czech Republic.

This year totally 255 papers were submitted and 72.5% of them were accepted. The papers were organized into 27 oral and 3 poster sessions. 185 participants from 28 countries took part in the IDAACS’13.

IDAACS’2013 Registration Desk

Prof. Anatoly Sachenko, Vice President HTW Berlin Prof. Matthias Knaut and Prof. Jürgen Sieck have opened the conference in the main hall of the building «H» on Thursday, September 12.

Opening Ceremony

Prof. Anatoly Sachenko’s Speech

Prof. Matthias Knaut’s Speech
Prof. Jürgen Sieck’s Speech

Then participants were listened a plenary lecture of Prof. Hermann Heßling from the University of Applied Sciences in Berlin on the topic “The Challenge of Managing and Analysing Big Data”.

The Plenary Lecture of Prof. Hermann Heßling

Also there were conducted the two 4 parallel sessions in the morning and 4 parallel sessions afternoon each, where participants presented 40 papers totally.
Thursday’s Parallel (Oral) Sessions

Also at the end of the day the Poster Section TP took place, which collected 20 papers.

Thursday’s Poster Section
On Friday, September 13th, the day started with a plenary session by Dr. Wolfgang Gentzsch, who is a strategic consultant for HPC, Grid, and Cloud Computing, in USA and Germany. He presented a paper “Paving the way to HPC as a Service – The UberCloud HPC Experiment”.

Also, there were conducted the two bunches of 4 parallel sessions per each bunch in the morning, and the 4 parallel sessions afternoon, where the 60 papers were presented totally.
On Saturday, September 14th, in the morning, Prof. Serge Demidenko, from Royal Melbourne Institute of Technology, Australia, presented the plenary talk entitled: “Taming the Electronic Beast: New and Not-so-New Problems in Modern Semiconductor Testing”.

Friday’s Poster Session

On Saturday, September 14th, in the morning, Prof. Serge Demidenko, from Royal Melbourne Institute of Technology, Australia, presented the plenary talk entitled: “Taming the Electronic Beast: New and Not-so-New Problems in Modern Semiconductor Testing”.

Friday’s Parallel Sessions

A poster session FP, conducted late afternoon included the 21 paper.
After the plenary session, the 4 parallel sessions (20 papers) were held. Then the 18 papers were presented in the Poster session.

Also the Round Table was held, where participants discussed how to improve the structure and content of the technical program. Then Prof. Wieslaw Winiecki, Poland announced the venue of the next conference IDAACS’15. It will be held in Warsaw, Poland, on the host of the Warsaw Polytechnic University in September 2015. And Prof. Jurgen Sieck announced a venue of the IDAACS’14 Satellite Symposium on Wireless Systems which will be held in Odessa, Ukraine in September 2014.
Prof. Wieslaw Winiecki announced the next conference IDAACS’15

In conclusion, Prof. Anatoly Sachenko, and Prof. Jurgen Sieck summarized the conference outcomes at the Round Table, thanked to all participants and sponsors and officially closed the Conference.

Round Table and Closing Ceremony
All the IDAACS’2013 Participants

The Conference organisers have spread the information about IEEE as a sponsoring party among participants and the rest of scientific community. For example, the IEEE logo was placed:

- On the IDAACS’2013 Web [http://idaacs.net/2013/?page_id=24](http://idaacs.net/2013/?page_id=24), with a links to the IEEE web page (Appendixes 1);
- On the title page of the Conference Proceedings and on the separate page with the IEEE advertisement (Appendixes 2);
- On the IDAACS’2013 Placard (Appendix 3).

The IEEE was also mentioned:
- In the Message from the IDAACS’2013 Co-Chairmen at the Proceedings, page iv (Appendix 4);
Appendix 1

Sponsors

- IEEE Ukraine Section
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Volume 1

IDAACS’2013

The crossing point of Intelligent Data Acquisition & Advanced Computing Systems and East & West Scientists

September 12-14, 2013  
Berlin, Germany

ORGANIZED BY

IEEE Ukraine Section I&M / CI Joint Societies Chapter
Research Institute for Intelligent Computer Systems Ternopil National Economic University  
V.M. Glushkov Institute of Cybernetics National Academy for Sciences of Ukraine
University of Applied Sciences Hochschule für Technik und Wirtschaft (HTW) Berlin, Germany
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Appendix 3
Appendix 4

Message from the IDAACS’13 Co-Chairmen

It’s our pleasure to invite all of you to participate in the 2013 IEEE 7th International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS), www.idaacs.net, which will be held in Berlin, Germany, 12-14 September, 2013.

The main goal of the IDAACS’2013 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 held 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.

The IDAACS’13 Conference is organized by IEEE Ukraine Section I&M / CI Joint Societies Chapter and the Research Institute for Intelligent Computer Systems, Ternopil National Economic University (TNEU) and V.M. Glushkov Institute of Cybernetics, National Academy of Sciences, Ukraine in cooperation with University of Applied Sciences, Hochschule für Technik und Wirtschaft (HTW) Berlin and TSB Technology Foundation Berlin.

It is supported by IEEE Ukraine Section I&M/CI Joint Societies Chapter, TNEU, HTW, IEEE Instrumentation & Measurement Society, Office of Naval Research Global, IEEE Ukraine Section, the University of Maine, IEEE Region 8 and River Publishers

The International Programme Committee of IDAACS 2013 was chaired by Vladimir Haasz and Kourosh Madani, many thanks to both of them. There were submitted the 254 papers by authors from the 28 countries. We would like to sincerely thank all the reviewers of the submitted papers, their names are listed in the proceedings and their contribution to the quality and success of this Conference is hereby gratefully acknowledged. As a result of the reviewing process the 185 papers were accepted and published. All the presentations are organized into the 24 oral and the 3 poster sessions. Also the 3 plenary sessions are provided with keynote speakers Hermann Heßling, Wolfgang Gentzsch and Serge Demidenko, we appreciate very much their contribution in the IDAACS’13 Conference.

A special stream on Wireless Systems has been introduced for a fourth time since a previous IDAACS’07 Workshop in Dortmund, many thanks to Uwe Grossman for his leading role in this initiative as well as Axel Sikora, a Co-Chairman of this stream. We should express our thanking to Peter Reusch and Igor Komonenko, and George Markowsky and Igor Kolokolov who organised once more streams on Project Management and Homeland Security and Cyber Security correspondingly.

Also we thank very much to people who created new streams for the IDAACS’13, in particular: Volodymyr Turchenko and Charlie Catlett introducing the special stream in High Performance Computing, and Albrecht Fortenbacher and Vladimir Kukharenko introducing the special stream in eLearning Management, and Yury Kolokolov and Kondo H. Adjallah introducing the special stream in Advanced Information Technologies in Ecology, and Richard Duro and Yuriy Kondratenko introducing the special stream in Intelligent Robotics and Components.

Berlin is Germany’s home to the federal government and parliament, and it is the largest university city with three universities, four art academies, seven universities of applied sciences and a number of research institutions. So Berlin is a science, culture and media mecca with a distinct service sector in the German market. A vibrant multi-cultural orientation is characteristic of Berlin and makes it particularly attractive.

Finally we would like to thank all our friends from the previous IDAACS’ as well as other researchers for joining us in Berlin to discuss latest achievements in the fields of Intelligent Data Acquisition and Advanced Computer Systems!

Enjoy attending the IDAACS’13 conference and the charm of the Hochschule für Technik und Wirtschaft as well as the attraction and spirit of Berlin!

Anatoly Sachenko

Jürgen Sieck