

# Preface

Systems analysis and design (SAND), or Business Informatics, as it is more frequently called in Europe, constitutes the classical field of research and education in the area of management information systems (MIS). SAND continuously attracts the attention of both academia and business. The rapid progress made in ICT naturally generates the requirements for the new generation of methods, techniques, and tools of SAND, adequate for modern IS challenges. Therefore, international thematic conferences and symposia have become widely accepted forums for the exchange of concepts, solutions, and experiences in SAND. In particular, the Association for Information Systems (AIS) is undertaking a number of initiatives towards SAND's international development.

The objective of the EuroSymposium on Systems Analysis and Design is to promote and develop high-quality research on all issues related to SAND. It provides a forum for SAND researchers and practitioners in Europe and beyond to interact, collaborate, and develop their field. The Eurosymposia were initiated by Prof. Keng Siau as the SIGSAND – Europe Initiative. Previous EuroSymposia were held at:

- University of Galway, Ireland – 2006
- University of Gdansk, Poland – 2007
- University of Marburg, Germany – 2008
- University of Gdansk, Poland – 2011
- University of Gdansk, Poland – 2012
- University of Gdansk, Poland – 2013
- University of Gdansk, Poland – 2014
- University of Gdansk, Poland – 2015
- University of Gdansk, Poland – 2016

The accepted papers of the EuroSymposia held in Gdansk were published as follows:

- 2nd EuroSymposium 2007: A. Bajaj, S. Wrycza (eds), *Systems Analysis and Design for Advanced Modeling Methods: Best Practises*, Information Science Reference, IGI Global, Hershey, New York, 2009
- 4th EuroSymposium 2011: S. Wrycza (ed.) 2011, *Research in Systems Analysis and Design: Models and Methods*, series: LNBIP 93, Springer, Berlin 2011
- Joint Working Conferences EMMSAD/EuroSymposium 2012 held at CAiSE'12: I. Bider, T. Halpin, J. Krogstie, S. Nurcan, E. Proper, R. Schmidt, P. Soffer, S. Wrycza (eds.) 2012, *Enterprise, Business-Process and Information Systems Modeling*, series: LNBIP 113, Springer, Berlin 2012
- 6th SIGSAND/PLAIS EuroSymposium 2013: S. Wrycza (ed.), *Information Systems: Development, Learning, Security*, Series: Lecture Notes in Business Information Processing 161, Springer, Berlin 2013

- 7th SIGSAND/PLAIS EuroSymposium 2014: S. Wrycza (ed.), Information Systems: Education, Applications, Research, Series: Lecture Notes in Business Information Processing 193, Springer, Berlin 2014
- 8th SIGSAND/PLAIS EuroSymposium 2015: S. Wrycza (ed.), Information Systems: Development, Applications, Education, Series: Lecture Notes in Business Information Processing 232, Springer, Berlin 2015
- 9th SIGSAND/PLAIS EuroSymposium 2016: S. Wrycza (ed.), Information Systems: Development, Research, Applications, Education, Series: Lecture Notes in Business Information Processing 264, Springer, Berlin 2016

There are three organizers of the 10th EuroSymposium on Systems Analysis and Design:

- SIGSAND – Special Interest Group on Systems Analysis and Design of AIS
- PLAIS – Polish Chapter of AIS
- Department of Business Informatics of University of Gdansk, Poland

SIGSAND is one of the most active SIGs with quite a substantial record of contributions for AIS. It provides services such as the annual American and European Symposia on SIGSAND, research and teaching tracks at major IS conferences, listserv, and special issues in journals.

The Polish Chapter of the Association for Information Systems (PLAIS) was established in 2006 as the joint initiative of Prof. Claudia Loebbecke, former President of AIS, and Prof. Stanislaw Wrycza, University of Gdansk, Poland. PLAIS co-organizes international and domestic IS conferences.

The department of Business Informatics of the University of Gdansk is conducting intensive teaching and research activities. Some of its academic manuals are bestsellers in Poland. The department is active internationally. The most significant conferences organized by the department were: the 10th European Conference on Information Systems, ECIS 2002, and the International Conference on Business Informatics Research, BIR 2008. The department is a partner of the ERCIS consortium – European Research Center for Information Systems.

EuroSymposium 2017 had an acceptance rate of 22%, with submissions divided into the following three groups:

- Data Analytics
- Web-Based Information Systems
- Information Systems Development

The accepted papers reflect the current trends in the field of systems analysis and design.

I would like to express my thanks to all authors, reviewers, advisory board members, and the members of the International Program Committee and Organizational Committee for their support, efforts, and time. They have made possible the successful accomplishment of EuroSymposium 2017. The 10th SIGSAND/PLAIS EuroSymposium is organized in conjunction with the Golden Jubilee (50 years) of Business Informatics at the University of Gdansk.

Information Systems: Research, Development,  
Applications, Education

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