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429

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Digital Transformation

13th PLAIS EuroSymposium
on Digital Transformation, PLAIS EuroSymposium 2021
Sopot, Poland, September 23, 2021
Proceedings

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ISSN 1865-1348 ISSN 1865-1356 (electronic)
Lecture Notes in Business Information Processing
ISBN 978-3-030-85892-6 ISBN 978-3-030-85893-3 (eBook)
<https://doi.org/10.1007/978-3-030-85893-3>

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The registered company address is: Gewerbestrasse 11, 6330 Cham, Switzerland

Preface

The annual academic event EuroSymposium—which has reached the thirteenth edition—has been changing and extending its thematic scope, according to the quick progress of information systems (IS) knowledge and applications, in the era of the digital transformation. The new emerging areas are included in the list of the event's topics: digital science, digital enterprises, smart cities, innovative methods of data and process analysis, user experience (UX) design, digital education, deep learning, social media use and analytics, the Internet of Things (IoT), and big data. All of these areas have had a strong influence on the EuroSymposium subject matter, changing it fundamentally, especially when compared with the early EuroSymposia.

The objective of the EuroSymposium is to promote and develop high quality research on all issues related to digital transformation. It provides a forum for IS researchers and practitioners in Europe and beyond to interact, collaborate, and develop this field. The EuroSymposia were initiated by Keng Siau as part of the SIGSAND-Europe Initiative. Previous EuroSymposia were held at the University of Galway, Ireland (2006), the University of Gdańsk, Poland (2007), the University of Marburg, Germany (2008), and the University of Gdańsk, Poland (2011–2019). The papers accepted for presentation at the EuroSymposia were published in the following proceedings:

- 2nd EuroSymposium 2007: Bajaj, A, Wrycza, S (eds) (2009) *Systems Analysis and Design for Advanced Modeling Methods: Best Practices*. IGI Global, Hershey, PA
- 4th EuroSymposium 2011: Wrycza, S (ed) (2011) *Research in Systems Analysis and Design: Models and Methods*, LNBIP 93. Springer-Verlag, Berlin
- Joint Working Conferences EMMSAD/5th EuroSymposium held at CAiSE 2012: Bider, I, Halpin, T, Krogstie, J, Nurcan, S, Proper, E, Schmidt, R, Soffer, P, Wrycza, S (eds) (2012) *Enterprise, Business-Process and Information Systems Modeling*, LNBIP 113. Springer, Berlin
- 6th SIGSAND/PLAIS EuroSymposium 2013: Wrycza, S (ed) (2013) *Information Systems: Development, Learning, Security*, LNBIP 161. Springer, Berlin
- 7th SIGSAND/PLAIS EuroSymposium 2014: Wrycza, S (ed) (2014) *Information Systems: Education, Applications, Research*, LNBIP 193. Springer, Berlin
- 8th SIGSAND/PLAIS EuroSymposium 2015: Wrycza, S (ed) (2015) *Information Systems: Development, Applications, Education*, LNBIP 232. Springer, Berlin
- 9th SIGSAND/PLAIS EuroSymposium 2016: Wrycza, S (ed) (2016) *Information Systems: Development, Research, Applications, Education*, LNBIP 264. Springer, Berlin
- 10th SIGSAND/PLAIS EuroSymposium 2017: Wrycza, S, Maślankowski, J (eds) (2017) *Information Systems: Development, Research, Applications, Education*, LNBIP 300, Springer, Berlin

- 11th SIGSAND/PLAIS EuroSymposium 2018: Wrycza, S, Maślankowski, J (eds) (2018) Information Systems: Research, Development, Applications, Education, LNBIP 333, Springer, Berlin
- 12th SIGSAND/PLAIS EuroSymposium 2019: Wrycza, S, Maślankowski, J (eds) (2019) Information Systems: Research, Development, Applications, Education, LNBIP 359, Springer, Berlin

The 13th EuroSymposium was organized by the Polish Chapter of Association for Information Systems (PLAIS) and the Department of Business Informatics of the University of Gdańsk, Poland.

PLAIS was established in 2006 as the joint initiative of Claudia Loebbecke, former president of AIS, and Stanisław Wrycza, University of Gdańsk, Poland. PLAIS co-organizes international and domestic IS conferences, and gained the title of Outstanding Chapter of Association for Information Systems in 2014, 2016, 2017, and 2018.

The Department of Business Informatics of the University of Gdańsk conducts intensive teaching and research activities. Some of its academic books are bestsellers in Poland, like the recent “Business Informatics. Theory and Applications” published by PWN in 2019 (in Polish). The department is active internationally. The recent leading areas of the department’s research and publishing in international academic IS journals include the unified theory of acceptance and use of technology as well as information technology occupational culture (ITOC). The department is a partner of the European Research Center for Information Systems (ERCIS) consortium and SAP University Alliances. Students of the Department of Business Informatics of the University of Gdańsk have recently been awarded several times for their innovative projects in a yearly AIS Student Chapters Competition in the USA.

EuroSymposium 2021 received 34 papers from authors in 13 countries. The paper submission and reviewing process was supported by the Open Conference System (OCS) hosted by Springer. The members of International Program Committee carefully evaluated the submissions, selecting 10 papers for publication in this Springer LNBIP volume 429 (an acceptance rate of 29%), with submissions divided into the following four sessions in the event program:

- Digital enterprises
- Smart cities
- Digital education
- Innovative methods in data and process analysis

I would like to express my thanks to all authors, reviewers, the Advisory Board, the International Program Committee, and the Organizing Committee for their support, efforts, and time. Along with the participants, they have all contributed to the successful accomplishment of EuroSymposium 2021.

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Contents

Digital Enterprises

Digital Maturity of Retail Enterprises in Ukraine: Technology of Definition and Directions of Improvement.	3
<i>Nadiia Proskurnina, Mikolaj Karpinski, Olena Rayevnyeva, and Roman Kochan</i>	
Maturity Models for the Assessment of Artificial Intelligence in Small and Medium-Sized Enterprises	22
<i>Thomas Schuster, Lukas Waidelich, and Raphael Volz</i>	
Experience from Attempts to Implement an e-CRM System in an e-Commerce Micro Enterprise	37
<i>Arkadiusz Januszewski and Kinga Krupcala</i>	
The Diagnostic Model for Assessing the State of Stability of an Industrial Enterprise.	51
<i>Olena Rayevnyeva, Mikolaj Karpinski, Olha Brovko, Pawel Falat, and Iryna Aksonova</i>	

Smart Cities

Open Data and Smart City Initiatives for Digital Transformation in Public Sector in Poland. A Survey	71
<i>Patrycja Krauze-Maślankowska</i>	
The Role of Smart Buildings in the Digital Transformation Era: Insight on China	82
<i>Eleonora Veglianti, Yaya Li, and Marco De Marco</i>	

Digital Education

Digital Education and Information Security in Obstetric Students in COVID-19 Pandemic Times in Peru	97
<i>Augusto Felix Olaza-Maguiña and Yuliana Mercedes De La Cruz-Ramirez</i>	
Tools and Services of the Cloud-Based Systems of Open Science Formation in the Process of Teachers' Training and Professional Development	108
<i>Maiia V. Marienko</i>	

Innovative Methods in Data and Process Analysis

Convolutional Neural Networks to Protect Against Spoofing Attacks
on Biometric Face Authentication 123
Alexandr Kuznetsov, Sergey Fedotov, and Mykhaylo Bagmut

Process Mining for the Analysis of Pre-sales Customer Service Process – A
Hidden Observation in a Polish Automotive Organization 147
Piotr Sliż and Emilia Dobrowolska

Author Index 161