



The 18<sup>th</sup> edition of the **International Conference on e-Society** was held virtually due to the COVID-19 pandemic, during **2 – 4 April, 2020**.

This conference was organized by the International Association for Development of the Information Society (IADIS) and co-organized by Sofia University “St. Kliment Ohridski”, Bulgaria.

**Co-Organized by:**

SOFIA UNIVERSITY  
ST. KLIMENT OHRIDSKI



This event focused on the main areas within Information Society. It covered both the technical as well as the non-technical aspects of the Information Society. The conference broad areas of interest were: e-Government / e-Governance, e-Business / e-Commerce, Technology and Society, e-Learning, New Media and E-Society, e-Health, Information Systems, and Information Management.

The e-Society 2020 had 76 submissions from more than 19 countries. Each submission was anonymously reviewed by an average of 4 independent reviewers, to ensure the final high standard of the accepted submissions. Out of the papers submitted, 15 received blind referee ratings that signified acceptability for publication as full papers (acceptance rate of 20%), while some others were published as short and reflection papers and posters.

Extended versions of the best papers were selected to be published in:

- ❖ the Interactive Technology and Smart Education (ITSE) journal (ISSN: 1741-5659)



- ❖ the IADIS International Journal on WWW/Internet (IJWI). ISSN: 1645-7641



In addition to the presentation of full, short and reflection papers and posters, the conference also included one keynote presentation by Professor Svetla Boytcheva (Linguistic Modelling and Knowledge Processing, Bulgarian Academy of Sciences and Ontotext Ltd., Bulgaria) and a workshop entitled “Critical Development of E-Deliberation Tools” by Alexandra Gheondea-Eladi and Mark Verhijde.



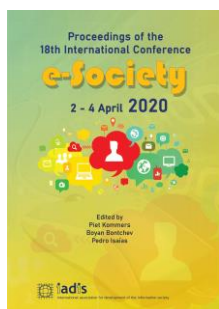
### Keynote Presentation:

## THE IMPACT OF THE SEMANTIC KNOWLEDGE GRAPHS AND BIG DATA ON THE DIGITAL ECONOMY



by Assoc. Prof. Svetla Boytcheva, Researcher, Linguistic Modelling and Knowledge Processing, Bulgarian Academy of Sciences and Ontotext Ltd., Bulgaria

This conference presented once again a great opportunity to all their participants to discuss with success the most significant aspects regarding the theme e-Society. It served as a forum that gathered researchers, practitioners, students and anyone that was working or studying in the field of the Information Systems.



The e-Society Conference 2020 was published in hard copy (ISBN: 978-989-8704-14-6) by IADIS Press.

### Program Committee Members:

Adam Wojciechowski, Poznan University of Technology, Poland

Adam Wojtowicz, Poznan University of Economics and Business, Poland

Agapito Ledezma, Universidad Carlos III de Madrid, Spain

Albena Antonova, University of Sofia, Bulgaria

Aleksandar Dimov, University of Sofia St. Kliment Ohridski, Bulgaria

Alfredo Milani, University of Perugia, Italy

Alfredo Pina, Public University of Navarra, Spain

Ali Fawaz Shareef, Institute for Research and Innovation, Villa Colle, Maldives

Ali Saberi, Iranian Researchers Network, Iran

Arthur Tatnall, Victoria University, Australia

Basilio Pueo, University of Alicante, Spain

Bill Davey, Rmit University, Australia

Boong Ryoo, Texas A&M University, USA

Bruce Chien-ta Ho, National Chung Hsing University, Taiwan

C K Lok, HKCAAVQ, Hong Kong

Cesar Alberto Collazos, University of Cauca, Colombia

Christian Russ, Zurich University of Applied Sciences, Switzerland

Damiano Distanto, Unitelma Sapienza University, Italy

Dessislava Petrova-antonova, University of Sofia, Bulgaria

Dessislava Vassileva, Sofia University "st. Kliment Ohridski", Bulgaria

Egbert Sánchez Vanderkast, National Autonomuos University of Mexico, Mexico

Euclid Keramopoulos, Alexander Technological Educational Institute of T Technology, Greece

Eugenia Kovatcheva, University of Library Studies and Information Technology, Bulgaria

Bulgaria

Farshad Badie, Aalborg University, Denmark

Fausto Fasano, Università Degli Studi del Molise, Italy

George S. Ioannidis, University of Patras, Greece

Gladys Benigni, Universidad De Oriente - Nueva Esparta, Venezuela

Hans-Dieter Zimmermann, FHS St. Gallen University of Applied Sciences, Switzerland

Hentie Wilson, University of South Africa, South Africa

Hiroyuki Mitsuvara, Tokushima University, Japan

Inga Hunter, Massey University, New Zealand

Janusz Sobecki, Wroclaw University of Technology, Poland

Jarogniew Rykowski, Poznan University of Economics and Business, Poland

Jeanne Schreurs, Hasselt University, Belgium

Jiying Zhao, University of Ottawa, Canada

Joan-Francesc Fondevila-Gascón, CECABLE, UdG & UAB, Spain

Kamelia Stefanova, University of National and World Economy, Bulgaria

Katerina Kabassi, TEI of the Ionian Islands, Greece

Kateryna Synytsya, International Research and Training Center, Ukraine

M. Esther Del Moral, Universidad de Oviedo, Spain

Manuel Gomez Olmedo, University of Granada, Spain

Marco Temperini, Sapienza University of Roma, Italy

Mario Allegra, Cnr-itd, Italy

Mario Vacca, Italian Ministry of Education, Italy

Michele Risi, University of Salerno, Italy

Mieczyslaw Owoc, Wroclaw University of Economics and Business, Poland

Mikael Collan, LUT University, Finland

Oleksiy Voychenko, International Research and Training Center for Information,

Ukraine

Prashant R Nair, Amrita Vishwa Vidyapeetham University, India

Rajavelu Loganathan, Abu Dhabi Women's College, United Arab Emirates

Rajendra Kumar, Massachusetts Institute of Technology, USA

Reza Barkhi, Virginia Tech, USA

Ryo Takaoka, Yamaguchi University, Japan

Takao Terano, Chiba University of Commerce, Japan

Tassos Mikropoulos, University of Ioannina, Greece

Tereza Trencheva, University of Library Studies and Information Technology, Bulgaria

Vasiliki Spiliotopoulou, ASPAITE Patras, Greece

Vincenzo Deufemia, Universita' Degli Studi di Salerno, Italy

Wojciech Cellary, Poznan University of Economics and Business, Poland

Yongjian Fu, Cleveland State University, USA