

Editorial to the EGOV-CeDEM-part 2024 CEUR proceedings

Ubacht, Jolien; Cromptvoets, Joep; Csáki, Csaba; Danneels, Lieselot; Janssen, Marijn; Johannessen, Marius Rohde; Lampoltshammer, Thomas; Lee, Habin; Lindgren, Ida; Nikiforova, Anastasija

Publication date

2024

Document Version

Final published version

Published in

CEUR Workshop Proceedings

Citation (APA)

Ubacht, J., Cromptvoets, J., Csáki, C., Danneels, L., Janssen, M., Johannessen, M. R., Lampoltshammer, T., Lee, H., Lindgren, I., Nikiforova, A., Hofmann, S., Parycek, P., Pereira, G. V., Schwabe, G., Suscha, I., & Tambouris, E. (2024). Editorial to the EGOV-CeDEM-part 2024 CEUR proceedings. *CEUR Workshop Proceedings*, 3737.

Important note

To cite this publication, please use the final published version (if applicable).
Please check the document version above.

Copyright

Other than for strictly personal use, it is not permitted to download, forward or distribute the text or part of it, without the consent of the author(s) and/or copyright holder(s), unless the work is under an open content license such as Creative Commons.

Takedown policy

Please contact us and provide details if you believe this document breaches copyrights.
We will remove access to the work immediately and investigate your claim.

Editorial to the EGOV-CeDEM-part 2024 CEUR proceedings

The EGOV-CeDEM-ePart 2024 conference, for short EGOV2024, was organized by the IFIP WG 8.5 on ICT and public administration. The conference is dedicated to digital or electronic government, open government, local government (smart cities), smart governance, artificial intelligence (AI), e-democracy, policy informatics, and electronic participation. With a long tradition along its various branches, the EGOV-CeDEM-ePart conference has gained its reputation of being the key and leading conference worldwide in the research domains of digital/electronic, open, and smart government, as well as electronic participation.

The call for papers attracted completed research papers, work-in-progress papers on ongoing research (including doctoral papers), project and case descriptions, as well as workshops and posters. This volume contains 34 full research papers, 2 reflection/viewpoint papers, 7 practitioner papers, 3 workshop descriptions, and 10 posters. All submissions were assessed through a double-blind peer-review process, with at least three reviewers per submission, and the acceptance rate was 42%. The submitted papers were of high quality, and many reviewers indicated that the topics of the papers they reviewed were novel.

The review process was based on a double-blind review process, and conflicts of interest were actively avoided. Authors of papers submitted their papers to a track. The track chairs had only access to the papers within their own track and could assign re-viewers and propose acceptance decisions. The lead track chair of each chair was the editor of the proceedings, in addition to the general chairs. Track chairs were not allowed to submit to their own track, nor were their close collaborators, to avoid any conflict of interest. Track chairs could either submit to another track or the 'track chairs' track. The latter was handled by one of the general chairs, and these submissions were reviewed the same way as all other submissions. The general chairs checked after the submission deadline if there was any conflict of interest among the papers submitted to tracks, and if so, the respective paper was moved to another track. The track chairs checked that all papers were submitted anonymously. If not, the authors were asked to resubmit within a couple of days. Track chairs assigned the reviewers and selected the programme committee members in such a way that experts in this area reviewed the papers and there were no conflicts of interest. After at least three reviews were received, the track chairs made a proposal for a decision per paper. The decisions were discussed in a meeting with the general and track chairs to ensure that the decisions were made in a consistent manner per track.

Part of the conference, September 15, 2024, Ghent University and KU
m Use permitted under Creative Commons License Attribution 4.0 International (CC BY 4.0).
CEUR Workshop Proceedings (CEUR-WS.org)

P
L

CEUR Workshop Proceedings	http://ceur-ws.org ISSN 1613-0073
---------------------------------	---

II

The conference tracks of the 2024 edition present the evolvement of the topics and the progress in this field. The papers in this proceedings were distributed over the following tracks:

- General E-Government and E-Governance
- General E-Democracy and E-Participation
- Digital Technologies and Sustainable Development
- Digital Society
- Emerging Issues and Innovations
- Smart Cities (Government, Districts, Communities & Regions)
- AI, Data Analytics, and Automated Decision Making
- Artificial Intelligence Governance and its Societal Challenges
- Open Data: Social and Technical Aspects
- Digital and Social Media
- Governance, Digital Legislation and Policy
- Practitioners – Researchers Collaboration

Among the full research paper submissions, 29 papers (empirical and conceptual) were accepted for this year's Springer LNCS EGOV proceedings (vol. 1484). The LNCS ePart proceedings (LNCS vol. 14891) contain the completed research papers from the following tracks: General E-Democracy and e-Participation; Digital Technologies and Sustainable Development; Governance, Digital Legislation, and Policy; Digital and Social Media; Digital Society; Artificial Intelligence Governance and its Societal Challenges. The accepted ongoing work, posters, and practitioners' papers are published in the Joint Proceedings of Ongoing Research, Practitioners, Posters, Workshops, and Projects at EGOV-CeDEM-ePart 2024 conference. The CEUR Workshop Proceedings (CEUR-WS.org) are free, open-access proceedings for Computer Science Workshops.

As in the previous years and per the recommendation of the Paper Awards Committee, under the leadership of Manuel Pedro Rodríguez Bolívar of the University of Granada, Spain, the IFIP EGOV-CeDEM-ePart 2024 conference grants outstanding paper awards in three distinct categories:

- The most interdisciplinary and innovative research contribution
- The most compelling critical research reflection
- The most promising practical concept

The winners in each category were announced during the awards ceremony at the conference.

For the first time, a Junior Faculty School was organized to connect PhD students, postdoctoral students, and junior faculty to the e-government research community to provide advice on how to plan and manage the tenure process and future career and to offer a platform for discussions about theory and methods, as well as networking. The

Junior Faculty School consisted of keynotes, panels, discussions, and interactive sessions designed for junior faculty to be oriented and prepared for the opportunities and challenges ahead.

The IFIP EGOV 2024 conference was hosted in Belgium, in the heart of Europe, by Ghent University *and* KU Leuven. They are both top 100 universities and two of the major universities in Belgium with over 50.000 students and 15.000 employees. Ghent University was founded in 1817, and KU Leuven in 1425. In addition to all that history, the universities also bring a lot of innovation to their vibrant student towns. As part of the conference, the University of Ghent hosted the PhD colloquium and Junior Faculty School in Ghent on 1-2 September. The PhD Colloquium was a full-day event on 1 September, open only for those who were admitted and offered a limited number of PhD bursaries. The Junior Faculty School was a full-day event on 2 September, for sharing experiences to advance the career of young researchers interested in digitalization and government. The conference sessions were hosted on 3-5 September in Leuven at the KU Leuven.

Many people behind the scenes make large events like this conference happen. We would like to thank the members of the Program Committee, the reviewers, and the track chairs for their great efforts in reviewing the submitted papers. We would also like to express our deep gratitude to Joep Crompvoets and his local team at KU Leuven, and Lieselot Danneels and her local team at Ghent University, for hosting the conference.

The papers in this proceedings range from societal to scientific and from rigorous to innovative. We hope you enjoy reading them!

September 2024

The Proceedings Editors:

Jolien Ubacht
 Joep Crompvoets
 Csaba Csáki
 Lieselot Danneels
 Marijn Janssen
 Marius Rohde Johannessen
 Thomas Lampoltshammer
 Habin Lee
 Ida Lindgren
 Anastasija Nikiforova
 Sara Hofmann
 Peter Parycek
 Gabriela Viale Pereira
 Gerhard Schwabe
 Iryna Sussha
 Efthimios Tambouris

Organization

Conference Chairs

Ida Lindgren, Linköping University, Sweden
Joep Crompvoets, KU Leuven, Belgium
Csaba Csáki, Corvinus University of Budapest, Hungary
Lieselot Danneels, Ghent University, Belgium
Ramon Gil-Garcia, University at Albany, State University of New York, USA
Sara Hofmann, University of Agder, Norway
Marijn Janssen, Delft University of Technology, The Netherlands
Marius Rohde Johannessen, University of South-Eastern Norway
Thomas Lampoltshammer, University for Continuing Education, Austria
Habin Lee, Brunel University London, United Kingdom
Anastasija Nikiforova, Tartu University, Estonia
Peter Parycek, Fraunhofer Fokus, Germany / University for Continuing Education, Austria
Gabriela Viale Pereira, University for Continuing Education, Austria
Gerhard Schwabe, University of Zurich, Switzerland
Anthony Simonofski, University of Namur, Belgium
Efthimios Tambouris, University of Macedonia, Greece
Jolien Ubacht, Delft University of Technology, The Netherlands

Program Committee Chairs

Joep Cromvoets, KU Leuven, Belgium
Csaba Csaki, Corvinus University, Hungary
Lieselot Danneels, Ghent University, Belgium
Roel Dobbe, Delft University of Technology, The Netherlands
David Suenas-Cid, Kozminski University, Poland
Noella Edelmann, Danube University Krems, Austria
Gregor Eibl, Danube University Krems, Austria
Katarina L. Gidlund, Mid Sweden University, Sweden
J. Ramon Gil-Garcia, University at Albany, SUNY, USA
Sara Hofmann, University of Agder, Norway
Marijn Janssen, Delft University of Technology, The Netherlands
Evangelos Kalampokis, University of Macedonia, Greece
Thomas Lampoltshammer, Danube University Krems, Austria
Habin Lee, Brunel University, UK
Katarina Gidlund, Midsweden University, Sweden
Ida Lindgren, Linköping university, Sweden
Euripidis Loukis, University of the Aegean, Greece
Edimara Mezzomo Luciano, PUCRS, Brazil
Francesco Mureddu, Lisbon Council, Belgium

Anastasija Nikiforova, University of Tartu, Estonia
 Anna-Sophie Novak, Danube University Krems, Austria
 Panos Panagiotopoulos, Queen Mary University of London, UK
 Peter Parycek, Danube-University Krems, Austria
 Manuel Pedro Rodríguez Bolívar, University of Granada, Spain
 Marius Rohde Johannessen, University of South-Eastern Norway, Norway
 Anthony Simonofski, University of Namur, Belgium
 Iryna Sussha, Utrecht University, The Netherlands
 Efthimios Tambouris University of Macedonia, Greece
 Jolien Ubacht, Delft University of Technology, The Netherlands
 Gabriela Viale Pereira, Danube University Krems, Austria
 Shefali Virkar, Donau-Universität Krems, Austria
 Anneke Zuiderwijk, Delft University of Technology, The Netherlands

Chair of Outstanding Papers Awards

Manuel Pedro Rodríguez Bolívar, University of Granada, Spain
 Noella Edelmann, Danube University Krems, Austria
 Evangelos Kalampokis, University of Macedonia, Greece

PhD Colloquium and Junior Faculty School Chairs

Gabriela Viale Pereira, Danube University Krems, Austria
 Ida Lindgren, Linköping University, Sweden
 J. Ramon Gil-Garcia University at Albany, SUNY, USA

Webmaster

Gilang Ramadhan, Delft University of Technology, The Netherlands

Program Committee

Wirawan Agahari, Delft University of Technology/TPM/ESS, The Netherlands
 Valerie Albrecht, Danube-University Krems, Austria
 Laura Alcaide-Munoz, Universidad de Granada, Spain
 Cristina Alcaide-Muñoz, UMA, Spain
 Dwayne Ansah, Utrecht University, The Netherlands
 Leonidas Anthopoulos, University of Thessaly, Greece
 Frank Bannister, Trinity College Dublin, Ireland
 Ana Alice Baptista, University of Minho, Portugal
 Peter Bellström, Karlstad University, Sweden
 Flavia Bernardini, Universidade Federal Fluminense (UFF) - Institute of Computing (Instituto de Computação), Brazil
 Lasse Berntzen, University of South-Eastern Norway, Norway
 Nitesh Bharosa, Delft University of Technology, The Netherlands
 Christina Bidmon, Utrecht University, The Netherlands
 Radomir Bolgov, Saint Petersburg State University, Russia
 Nicolas Bono Rossello, University of Namur, Belgium

Alessio Bramini, University of Tuscia,
 Karin Brodén Ahlin, Karlstad University, Sweden
 Iván Cantador, Universidad Autónoma de Madrid, Spain
 Luiz Paulo Carvalho, UFRJ, Brazil
 Cesar Casiano Flores, University of Twente, The Netherlands
 Seong Wook Chae, Hoseo University, South Korea
 Youngseok Choi, Kingston University London, United Kingdom
 Vincenzo Ciancia, Istituto di Scienza e Tecnologie dell'Informazione, Consiglio Nazionale delle Ricerche, Italy
 Antoine Clarinval, Université de Namur, Belgium
 Rodrigo Conde, Austrian Institute of Technology, Austria
 Andreiuid Sheffer Corrêa, Federal Institute of Sao Paulo, Brazil
 María Elicia Cortés-Cediel, Universidad Complutense de Madrid, Spain
 J. Ignacio Criado, Universidad Autónoma de Madrid, Spain
 Joep Crompvoets, KU Leuven - Public Management Institute, Belgium
 Jonathan Crusoe, Gothenburg University and University of Borås, Sweden
 Csaba Csaki, Corvinus University, Hungary
 Frank Danielsen, University of Agder, Norway
 Lieslot Danneels, Ghent University / Vlerick Business School, Belgium
 Simon Dechamps, Namur Digital Institute, UNamur, Belgium
 Devin Diran, TNO Vector, The Netherlands
 Bettina Distel, Universität Münster, Germany
 Roel Dobbe, Delft University of Technology, The Netherlands
 David Duenas-Cid, Kozminski University, Poland
 Matthias Döring, University of Southern Denmark, Denmark
 Noella Edelmann, Danube University Krems, Austria
 Claudia Egher, Utrecht University, Copernicus Institute of Sustainable Development,
 Gregor Eibl, Danube University Krems, Austria
 Ali El Samra, Brunel University London, United Kingdom
 Eiri Elvestad, University of Oslo, Norway
 Loukis Euripides, University of the Aegean, Greece
 Kalampokis Evangelos, University of Macedonia, Greece
 Claucia Faganello, PUCRS, Brazil
 Joan-Francesc Fondevila-Gascón, CECABLE, UdG (Escola Universitària Mediterrani) and UAB, Italy
 Sabrina Franceschini, Regione Emilia-Romagna, Italy
 Alizée Francey, University of Lausanne, Switzerland
 Mary Francoli, Carleton University, Canada
 Asbjørn Følstad, SINTEF, Norway
 Larissa Galdino de Magalhães Santos, United Nations University (UNU-EGOV), Portugal
 Francisco García Morán, European Commission, Luxembourg
 Mila Gasco-Hernandez, Center for Technology in Government and Rockefeller College of Public Affairs and Policy, University at Albany, SUNY, USA
 Alexandros Gerontas, University of Macedonia, Greece

Katarina Gidlund, Midsweden University, Sweden
 J. Ramon Gil-Garcia, University at Albany, State University of New York, USA
 Dimitris Gouscos, University of Athens, Greece
 Divya Kirti Gupta, Indus Business Academy,
 Yash Gupta, University of Southern California, USA
 Mariana Gustafsson, Linköping University, Sweden
 Tessa Haesevoets, Ghent University, Belgium
 Yang Hai, Brunel University, United Kingdom
 Annika Hasselblad, Mid Sweden University, Sweden
 Marcus Heidlund, Mid Sweden University, Sweden
 Natali Helberger, University of Amsterdam, The Netherlands
 Sara Hofmann, University of Agder, Norway
 Roumiana Ilieva, Technical University of Sofia, Bulgaria
 Tomasz Janowski, Gdańsk University of Technology, Poland
 Marijn Janssen, Delft University of Technology, The Netherlands
 Soohyun Jeon, Brunel University London, United Kingdom
 Carlos E. Jimenez-Gomez, National Center for State Courts, USA
 Marius Rohde Johannessen, University of South-Eastern Norway, Norway
 Gustaf Juell-Skielse, University of Borås, Sweden
 Muneo Kaigo, University of Tsukuba, Japan
 Evangelos Kalampokis, University of Macedonia, Greece
 Nikos Karacapilidis, University of Patras, Greece
 Areti Karamanou, University of Macedonia, Greece
 Naci Karkin, Pamukkale University, Turkey
 Singara Rao Karna, Centre for Electronic Government and Open Democracy Sydney-Melbourne, Australia
 Junchul Kim, Brunel University London, United Kingdom
 Fabian Kirstein, Fraunhofer, Germany
 Bram Klievink, Leiden University, The Netherlands
 Agnieszka Kochanowicz, University for Continuing Education Krems, Austria
 Zsófia Kräussl, Bayes Business School, City University of London, United Kingdom
 Thomas Lampoltshammer, University for Continuing Education Krems, Austria
 Beatriz Barreto Brasileiro Lanza, CTG SUNY & IDB, USA
 Habin Lee, Brunel University, United Kingdom
 Hongjoo Lee, The Catholic University of Korea, South Korea
 Ida Lindgren, Linköping university, Sweden
 Johan Linåker, RISE Research Institutes of Sweden, Sweden
 Martin Lnenicka, University of Pardubice, Czech Republic
 Euripides Loukis, University of the Aegean, Greece
 Luis F. Luna-Reyes, University at Albany, SUNY, USA
 Marie Anne Macadar, Federal University of Rio de Janeiro, Brazil
 John McNutt, Udel, USA
 Ulf Melin, Linköping University, Sweden
 Sehl Mellouli, Université Laval, Canada
 Mara Mendes, University of Münster, Germany

VIII

Tobias Mettler, University of Lausanne, Switzerland
Edimara Mezzomo Luciano, PUCRS, Brazil
Harekrishna Misra, Institute of Rural Management Anand, India
Gianluca Misuraca, gfa-group, Italy
José María Moreno-Jiménez, Universidad de Zaragoza, Spain
Francesca Morselli, Delft University of Technology, The Netherlands
Francesco Mureddu, Lisbon Council, Portugal
Anastasija Nikiforova, University of Tartu, Estonia
Sem Nouws, Delft University of Technology, The Netherlands
Anna-Sophie Novak, Danube University Krems, Austria
Niclas Olofsson, Mid Sweden University, Sweden
Monica Palmirani, CIRSFD, ALMA-AI, Italy
Panos Panagiotopoulos, Queen Mary University of London, United Kingdom
Laura Piscicelli, Utrecht University, The Netherlands
Blaž Podgorelec, Graz University of Technology, Austria
Anuj Puri, Tilburg University, The Netherlands
András Pünköszt, Ludovika University of Public Service, Hungary
Aya Rizk, Linköping University, Sweden
Nina Rizun, Gdańsk University of Technology, Poland
Manuel Pedro Rodríguez Bolívar, University of Granada, Spain
Lucas Roldan, PUCRS, Brazil
Alexander Ronzhyn, University of Koblenz-Landau, Austria
Boriana Rukanova, Delft University of Technology, The Netherlands
Michael Räckers, European Research Center for Information Systems (ERCIS), Germany
Rodrigo Sandoval-Almazan, Universidad Autonoma del Estado de Mexico, Mexico
Diogo Sasdelli, Donau-Universität Krems, Austria
Antonia Sattlegger, Technical University Delft, The Netherlands
Carsten Schmidt, University of Tartu, Estonia
Hendrik Scholta, University of Muenster - ERCIS, Germany
Johannes Scholz, Graz University of Technology, Austria
Uwe Serdült, College of Information Science and Engineering, Ritsumeikan University, Japan
Masoud Shahmanzari, Brunel University, United Kingdom
Tobias Siebenlist, Rhine-Waal University of Applied Sciences, Germany
Anthony Simonofski, University of Namur, Belgium
Koen Smit, University of Applied Sciences Utrecht, The Netherlands
Carl-Johan Sommar, Linköping University, Sweden
Reni Sulastri, Delft University of Technology/TPM/ESS, The Netherlands
Leif Sundberg, Mid Sweden University, Sweden
Iryna Sussha, University of Utrecht, The Netherlands
Efthimios Tambouris, University of Macedonia, Greece
Evrin Tan, KU Leuven Public Governance Institute, Belgium
Luca Tangi, Joint Research Centre - European Commission, Italy
Carolina Tavares Lopes, Pontifical Catholic University of Rio Grande do Sul (PUCRS), Brazil

Lorinc Thurnay, University of Continuing Education Krems, Austria
 Lörinc Thurnay, Danube University Krems, Austria
 Jolien Ubacht, Delft University of Technology, The Netherlands
 Floris van Krimpen, Delft University of Technology, The Netherlands
 Michael Veale, University College London, United Kingdom
 Marco Velicogna, IRSIG-CNR, Italy
 Gabriela Viale Pereira, Danube University Krems, Austria
 Shefali Virkar, WU Vienna University of Economics and Business, Austria
 Gianluigi Viscusi, Linköping University, Sweden
 Jörn von Lucke, Zeppelin Universität Friedrichshafen, Germany
 Bianca Wentzel, Fraunhofer FOKUS, Germany
 Elin Wihlborg, Linköping University, Sweden
 Mete Yildiz, Hacettepe Üniversitesi İİBF, Türkiye
 Maija Ylinen, Tampere University, Finland
 Thomas Zefferer, A-SIT Plus GmbH, Germany
 Dimitris Zeginis, Centre for Research and Technology Hellas (CERTH), Greece
 Sheila Zimic, R&D Unit at the Association of Local Authorities in Västernorrland
 County, Sweden
 Anneke Zuiderwijk, Delft University of Technology, The Netherlands

Additional Reviewers

Sofia Hamberg, Linköping University, Sweden
 Helena Jacobaeus, Linköping University, Sweden
 Ahmed Kaharevic, Linköping University, Sweden
 Olga Matveieva, Dnipropetrovsk Regional Institute for Public Administration,
 Ukraine
 Nimród Mike, Corvinus University, Hungary
 Livia Norström, Högskolan Väst, Sweden
 Lucy Temple, University of Continuing Education Krems, Austria
 Natalie Östergård, Högskolan Väst, Sweden