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Message from the EDOC 2021 Workshop and Demo Chairs

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Message from the EDOC 2021 Workshop and Demo Chairs

For twenty-five years the EDOC conference has been the primary annual event for disseminating and discussing the latest developments in the area of enterprise computing. The workshop program is an important satellite event of the EDOC conference. Workshops cover more focused topics and allow for the presentation and discussion of work that is in the earlier development stages. As such, the workshops provide an excellent forum for discussing topics from the area of enterprise computing that have the potential to become important research streams within the next few years, and for discussing topics that are already important in a smaller and more focused setting. In addition to the workshop program, the EDOC Demonstration track offers an exciting and highly interactive outlet for researchers and practitioners to present prototypes and applications in the context of enterprise computing. Four demonstrations are presented this year.

For the 25th anniversary of EDOC in 2021 we dared the COVID-19 pandemic, which still affects our research and social life significantly, and extended the scope of our call for workshops to include more topics and solicited workshops with new formats and target audiences. We invited workshop proposal submissions for one-day or half-day workshops, physical or virtual, focusing on the topics related to the main theme of EDOC 2021 – Industry 4.0, as well as emerging and interdisciplinary topics related to enterprise computing in general, or in domains such as healthcare, advanced manufacturing, environmental sciences, sustainable agriculture, finance, transportation, aerospace and defense, energy and supply chains, while ensuring compliance with the related human rights, ethics and legal challenges and longer-term interoperability strategies. Both research and application-oriented topics were welcome.

Despite the challenges we face during the COVID-19 pandemic, we are proud to present an interesting, high-quality program featuring thirteen workshops that will be held in conjunction with EDOC this year. These workshops have been selected, based on their fit with the topics of interest, their format and target audience, and their potential to attract high-quality papers.

- Workshop on AI for Health: Closing the Loop from Research to Applications (AI-CLRA 2021)
- Workshop on AI-Enabled Policing and Law Enforcement (AI-PLE 2021)
- Workshop on Data Leakage Protection (DLP) and Trustworthiness in Health Data (DLP 2021)
- Workshop on Digital Innovation for Sustainable Future (DISF 2021)
- Workshop on Intelligent Digital Architecture, Methods, and Services for Industry 4.0 and Society 5.0 (IDAMS 2021)
- Workshop on Digital Twins for Industry 4.0 Solutions – an Australian Perspective (DigitalTWIN 2021)
- Workshop on Latest Advances in Enterprise Architectures in the IoT Era (EAIoT 2021)
- Workshop on Privacy and Security in Enterprise Modeling (PriSEM 2021)
- Workshop on Semantic Interoperability of Sensitive Data in Federated AI (SISFAI 2021)

- Workshop on Service Oriented Enterprise Architecture for Enterprise Engineering (SoEA4EE 2021)
- Workshop on Secure Enterprise Architecture Design (SEAD 2021)
- Workshop on Trust, Ethics and Compliance in Enterprise Computing (TrECEC 2021)
- Workshop on Vocabularies, Ontologies and Rules for the Enterprise (VORTE 2021)

Each of the workshops established its program in collaboration with the workshop chairs and all accepted papers have undergone a thorough reviewing and selection process. As the competition for the main conference was very high, some paper submissions were redirected to the relevant workshops and were accepted for presentation and publication. All in all, 40 selected works of 11 workshops are publishing in this edition of the IEEE proceedings.

In the demo track, four demonstrations are presented this year, each of them rigorously reviewed by three members of the Program Committee. We expect them to rise engaging and interesting discussions.

In this manner we have created an interesting workshop program and demonstration track, in collaboration with the chairs of the respective workshop, the program chairs and the general chair. We hope you enjoy the conference, Workshop and the demo program, and wish you a pleasant and productive on-line conference.

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EDOC 2021 Workshop Chairs

Keith Duddy, S23M, Australia

Chiara Di Francescomarino, Fondazione Bruno Kessler-IRST, Italy

Karolin Winter, Technical University of Munich, Germany

EDOC 2021 Demonstration Track Chairs