



International Conference on
Cooperative Information Systems



ABOUT CoopIS 2022

This 28th edition of **CoopIS**, Cooperative Information Systems, attempts to span a relevant range of the advanced research and cutting-edge development and application, happening in the general area of ubiquitous distributed computing. **CoopIS 2022**, invites fundamental contributions on principles and applications of distributed and collaborative computing in workflows of networked organizations, enterprises, governments of just communities.

Topic 1: Data, Information, and Knowledge Engineering
Topic 2: Machine-Learning and Knowledge Discovery
Topic 3: Process Analytics and Technology
Topic 4: Semantic Interoperability and Open Standards
Topic 5: Security and Privacy
Topic 6: Internet of Things and Digital Twins
Topic 7: Architecture and Management of ISS
Topic 8: Human Aspects and Social Interaction in ISS
Topic 9: Services and Cloud in Information Systems

In recent years, several innovative technologies have emerged: Cloud Computing, Service Oriented Computing, the Internet of Things, Linked Open Data, Semantic Systems, Collective Awareness Platforms, Block Chain, Processes as a Service, etc, that enable the next generation of CIs. Research and industry developments are needed towards (a) the applicability and use of the innovative technologies, (b) approaches to develop CIs in particular catering towards the multitude of stakeholders involved in the development of cyber-social-physical systems, and (c) associated modelling techniques to express and analyse the different aspects of these systems in coherence.

GENERAL CHAIRS

Hervé Panetto, University of Lorraine, Nancy, France
Walid Gaaloul, IP Paris – Télécom SudParis, France

PROGRAM COMMITTEE CHAIRS

Hajo A. Reijers, Utrecht University, Netherlands.
Paolo Ceravolo, Università degli Studi di Milano, Italy.



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ABOUT EDOC 2022

EDOC 2022 is the 26th conference in the EDOCseries that provides a key forum for researchers and practitioners in the field of Enterprise Computing. EDOC addresses the full range of models, methodologies, and engineering technologies contributing to building and evolving intra- and inter-enterprise software systems. From 2022 on, EDOC will be spelled out "Enterprise Design, Operations and Computing" to reflect the broad range of aspects of interest to the conference. **EDOC 2022** calls for contributions with a special emphasis on the theme of designing and operating "Flexible Enterprises". This year's theme reflects an ever-changing world under the influence of disruptive events, trends, and technologies, as well as the increasing role of artificial intelligence.

Topic 1: Enterprise and Systems Architecture
Topic 2: Service-Oriented IT- and Enterprise Architectures
Topic 3: Software Architecture & Engineering
Topic 4: Model Based Enterprise Engineering
Topic 5: Model-driven architectures and software development
Topic 6: Enterprise Security
Topic 7: Business Process and Business rules
Topic 8: Semantics and Information Management

In this context, new concepts and approaches are required: (a) to address pressing challenges in domains like healthcare, advanced manufacturing, finance, environmental management and sustainable agriculture, supply chain management and others, while ensuring compliance with ethical and legal principles, as well as long-term interoperability and resilience of enterprise systems; and (b) to leverage technologies such as digital twins, machine learning, IoT, big data analytics, distributed ledgers/blockchain in trusted enterprise practices.

GENERAL CHAIRS

Giancarlo Guizzardi, Free University of Bozen-Bolzano - Italy,
University of Twente - The Netherlands
Marco Montali, Free University of Bozen-Bolzano - Italy
Fabrizio Maria Maggi, Free University of Bozen-Bolzano - Italy

PROGRAM COMMITTEE CHAIRS




João Paulo A. Almeida, Federal University of Espírito Santo - Brazil
Dimka Karastoyanova, University of Groningen - The Netherlands



CoopIS 2022 and EDOC 2022 are looking for attracting from various kind of professionals, from all continents:

- * IT professionals & architects
- * Software developers
- * Knowledge Management Executives
- * Information Systems Managers
- * Innovation Executives
- * R&D Executives
- * Academics from worldwide universities and research centres

Keynotes

CoopIS Keynote Speaker	CoopIS/EDOC joint Keynote Speaker	EDOC Keynote Speakers
Daniel R. Isaacs CTO, Digital Twin Consortium  Understanding the Nature of Digital Twin Digital Twin Challenges & Values; Empowering Businesses	Stephen Mellor CTO, Industry IoT Consortium  Trustworthiness in Industrial IoT Systems: trends and issues for the future Collaborative and Computing Enterprise	Jordi Cabot Research Professor, ICREA  Title to be confirmed Carliss Y. Baldwin William L. White Professor of Business Administration, Emerita.  Harvard Business School Title to be confirmed

Supports

