

Special Issue on Dependable and Secure Infrastructures and Systems in Intelligent Environments (Journal of Reliable Intelligent Environments, Springer)
Associated with the 18th European Dependable Computing Conference (EDCC'22)

Description: The SI is focused in the intersection of the Conference topics and the interest of the journal, which addresses systems enriched with technology (sensors, processors, actuators, information terminals, and other devices interconnected through a network).

Topics of interest:

- Hardware and software architectures of dependable systems in Intelligent Environments (IE)
- Model-driven engineering approaches for dependable intelligent systems
- Fault-tolerant networks & ultra-reliable low-latency communication in IE
- Dependability modelling and tools
- Testing and validation methods in IE
- Development of safety and security-critical systems with focus on IE
- Dependability and security of:
 - * Critical infrastructures, e.g. smart energy grids, intelligent transportation systems, smart cities
 - * Cyber-physical systems
 - * (Industrial) Internet of Things
 - * Cloud, fog, and edge computing systems
 - * Data analytics applications & systems based on machine learning and artificial intelligence
 - * Databases and distributed ledgers (incl. Blockchains)
 - * Artificial intelligence approaches
- Data protection and data privacy in IE

Schedule planned:

- SI CFP date: September 2022.
- Submission date: December 2022 (papers selected from the Conference need to be extended at least by a 30%, making the new one substantially different and worth to be read)
- Reviews due: March 2023 (peer reviewed (Single Blind))
- Camera ready: June 2023
- Journal publication: September 2023

Guest Editors:

Simona Bernardi, University of Zaragoza, Spain
Matthias Eckhart, SBA Research and University of Vienna, Austria
José Merseguer, University of Zaragoza, Spain
Simin Nadjm-Tehrani, Linköping University, Sweden