Interoperability for Enterprise Systems and Applications (I-ESA) Workshops 2024

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in conjunction with

12th International Conference on Interoperability for Enterprise Systems and Applications: *Enterprise Interoperability through Data, AI and Robotics* (I-ESA 2024)

PREFACE

Today's ecosystems operate in highly uncertain environments shaped by rapidly changing internal and external factors. Organisations therefore seek tools that not only analyse and improve products and processes but also predict performance. The workshop papers presented at the **Interoperability for Enterprise Systems and Applications (I-ESA'24) Workshops 2024** and included in this volume address these challenges.

I-ESA'24 (https://mklab.iti.gr/iesa2024/) was organised by the **Information Technologies Institute (ITI) of CERTH** on behalf of INTEROP-VLab and took place from **April 10–12, 2024, in Chania, Crete, Greece**. Under the theme "*Enterprise Interoperability through Data, AI, and Robotics*," the conference brought together researchers, practitioners, and industry experts to explore advances in enterprise interoperability. The workshop programme comprised eleven workshops and 55 papers.

The contributions in this volume span theoretical research, case studies, and industrial and public-sector applications. They highlight the critical role of interoperability in complex, interconnected environments and demonstrate how digital twins, data analytics, artificial intelligence, and robotics can enhance organisational agility and innovation. Together, these papers provide conceptual insights and practical approaches that illustrate how data-driven and AI-enabled solutions are transforming enterprise ecosystems.