## Special Issue

## Development of Novel Techniques in Information Systems Architecture

## Message from the Guest Editor

This Special Issue explores cutting-edge methodologies and intelligent tools driving innovation in Information Systems, Enterprise, and Software Architecture. As digital ecosystems evolve, emerging technologies such as Artificial Intelligence (AI), blockchain, and formal modeling offer new paradigms for designing, verifying, and optimizing architectural frameworks. Key themes include the application of AI to generate adaptive enterprise and software architectures, enhancing scalability, interoperability, and decision support. Large Language Models (LLMs) are investigated as enablers for the automated creation and refinement of Business Process Model and Notation (BPMN) diagrams, facilitating intelligent process modeling. The integration of Robotic Process Automation (RPA) into architectural design is also examined, with a focus on automation in development, governance, and maintenance. Furthermore, the Special Issue invites studies on embedding blockchain technologies and design patterns within enterprise and software architectures to strengthen transparency, trust, and data integrity.

## **Guest Editor**

Dr. Bálint Molnár

Information Systems Department, Faculty of Informatics, Eötvös Loránd University, Budapest, Hungary

## Deadline for manuscript submissions

20 May 2026



# Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5 CiteScore 5.5



mdpi.com/si/260569

Applied Sciences Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 applsci@mdpi.com

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## Message from the Editor-in-Chief

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## **Editor-in-Chief**

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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