

Special Issue

Intelligent Software Engineering: Innovations, Challenges, and Applications

Message from the Guest Editors

This Special Issue entitled "Intelligent Software Engineering: Innovations, Challenges, and Applications" explores the dynamic field of Intelligent Software Engineering (ISE). This rapidly evolving domain, at the intersection of artificial intelligence (AI) and software engineering, offers groundbreaking methodologies for designing, developing, and managing software systems. On one hand, ISE leverages AI-driven techniques like machine learning, data analytics, and intelligent decision-making to address complex software engineering challenges to improve efficiency, reliability, and functionality. This issue aims to highlight innovation in ISE, discussing the transformative impact of this field across various sectors, highlighting the latest research advancements, and identifying the practical applications and challenges practitioners face. It serves as a vital platform for experts in academia and industry to share their insights, foster collaborations, and shape the future trajectory of software engineering in an AI-dominated era.

Guest Editors

Dr. Mirko Perkusich

Research, Development, and Innovation Centre (VIRTUS/UFCG),
Federal University of Campina Grande, Campina Grande 58429-140,
CEP, Brazil

Prof. Dr. Emilia Mendes

Department of Electrical and Computer Engineering, Aarhus University,
Aarhus, Denmark

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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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