Scientific Approaches to Requirements Engineering: Research, Applications, Education and Future Directions

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Message from the Guest Editors

Dear Colleagues,

Software engineering offers theories, methods, and tools supporting the development of digital systems. Requirements engineering is a central discipline of software engineering, involved in eliciting, specifying, analysing and managing the functional and non-functional properties of a system under development. These properties are the glue between the users, the conceptual design of the system, and its implementation. As such, they support the development of software systems that are useful, usable, and enjoyable to use. A scientific approach to the requirements engineering activities is critical to evaluate their foundations and effectiveness.

This Special Issue aims at covering a wide variety of approaches to requirements engineering from a scientific perspective. It is intended to compile and disseminate original results from research, industry and academia, while also defining future directions as foreseen by the contributors. Potential topics include, but are not limited to, the following:

- Software requirements
- Functional and non-functional requirements
- Requirements engineering
- Software development
- Artificial intelligence

Special Issue

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Message from the Editor-in-Chief

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