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Techniques and Applications in Prompt Engineering and Generative AI

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Deadline for manuscript submissions:
closed (15 March 2026)

Message from the Guest Editors

Prompt engineering is a dynamic field that focuses on the development and optimization of generative AI chatbot prompts. The aim of this Special Issue is to identify the potential of prompt engineering in AI, not only in educational tools, but also in code generation, information retrieval, language translation, text summarization, and dialogue systems.

The topics covered include, but are not limited to, the following:

- Advanced techniques for designing effective programming prompts;
- Evaluation methodologies for prompt efficacy;
- Case studies of prompt engineering in real-world programming scenarios;
- The use of prompt engineering techniques in copilot-based coding assistants;
- Educational applications of prompt engineering;
- Frameworks for teaching prompt engineering in prompt engineering and computer science courses;
- Interdisciplinary approaches to prompt engineering and education;
- Automated programming tools and how they depend on prompt engineering;
- Ethical considerations for prompt engineering;
- Prompt engineering to improve collaboration in software development projects;
- Prompt engineering and domain-specific fine-tuning of large language models;
- AI and privacy.

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Message from the Editor-in-Chief

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