Special Issue

State of the Art in AI-Based Co-Creativity

Message from the Guest Editors

Generative artificial intelligence (AI) is on the cusp of transforming the very nature of creativity due to its unique ability to unlock new ideation states and overcome creativity blocks that are common in artistic expressions. From virtual art exhibitions to fashion design and furniture manufacturing, there is now a vast array of text-to-image AI-enabled generators (e.g., DALL-E) that allow artists and other art professionals to explore new imaginaries by creating links to photorealistic images based on text prompts tailored to specific genres, styles, and purposes. This synthetic method of generating creative content with AI involvement also offers unprecedented opportunities in areas like music through co-creative AI dance partners and songwriting assistants. As human–AI co-creativity tradeoffs become more and more common in everyday creative tasks, individuals from a diverse assortment of artistic fields and professions now face unparalleled challenges when using generative AI. This Special Issue invites state-of-the-art research in human–AI co-creativity.

Guest Editors

Dr. António Correia
Prof. Dr. Vincent A. Cicirello
Dr. Rui Araújo

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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

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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