



Recent Trends in Automatic Image Captioning Systems

Guest Editors:

Dr. Mourad Oussalah

Faculty of Information
Technology and Electrical
Engineering (ITEE), University of
Oulu, 90570 Oulu, Finland

Prof. Dr. Rachid Jennane

University of Orleans, IDP
Laboratory, UMR CNRS 7013,
45100 Orleans, France

Deadline for manuscript
submissions:

20 June 2024

Message from the Guest Editors

The rapid development of digitalization, tagging and user-generated content has brought about a substantial increase in datasets where images are accompanied by related text, giving rise to automatic image captioning (AIC), a process that seeks to automatically generate properly formed English sentences or captions that describe the content of images. AIC research has a great impact on various domains, such as virtual assistants, image indexing, recommendation systems, and medical diagnosis systems, among others. Image captioning in particular relies on computer vision for image comprehension and natural language processing to generate textual descriptions that are semantically and linguistically sound.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

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

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

Contact Us

Applied Sciences Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](https://twitter.com/Applsci)