

## Special Issue

# AI/Machine Learning in Computer Vision/Image Processing and Natural Language Processing

### Message from the Guest Editors

This Special Issue aims to cover all aspects of AI and ML and is not limited to the following topics:

- Image captioning, object detection and recognition, and scene understanding;
- Text summarization, machine translation, and sentiment analysis;
- Large language/vision models and foundation models in the context of CV/NLP;
- Causal and/or explainable artificial intelligence in the context of CV/NLP;
- Edge detection and image or video denoising and deblurring;
- Generative modelling and its applications in the context of CV/NLP;
- Reinforcement learning and its applications in the context of CV/NLP;
- Computer vision-based remote health monitoring, such as remote photoplethysmography or vital signs monitoring;
- AI and machine learning methods for biomedical imaging;
- NLP in healthcare.

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### Guest Editors

Dr. Ankit Gupta

Dr. Morgado Dias

Dr. Antonio G. Ravelo-Garcia

Dr. Martin Černý

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### Deadline for manuscript submissions

15 May 2025



## Electronics

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## About the Journal

### Message from the Editor-in-Chief

*Electronics* is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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### Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

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