

## Special Issue

# Asymmetric and Symmetric in Deep Computer Vision and Generative Modeling

### Message from the Guest Editors

In recent years, deep learning has transformed the fields of computer vision and generative modeling, enabling remarkable advancements across a wide range of applications, from image recognition and natural scene interpretation to the generation of realistic synthetic data. Symmetric techniques often support generalization and model stability, while asymmetric approaches provide flexible solutions to complex challenges, such as data variability and the handling of noise and anomalies. We invite contributions to enhance model generalization, efficiency, and interpretability, spanning fundamental theory to practical applications. This collection of articles aims to provide a comprehensive understanding of the impact of these approaches, fostering further development in these rapidly evolving fields.

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### Guest Editors

Prof. Dr. Youssef Es-Saady

Polydisciplinary Faculty of Taroudant, Ibnou Zohr University, Taroudant 83000, Morocco

Prof. Dr. Mohamed El Hajji

Centre Régional des Métiers de l'Éducation et de la Formation Sous Massa, Agadir 106, Morocco

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### Deadline for manuscript submissions

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## Symmetry

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MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[symmetry@mdpi.com](mailto:symmetry@mdpi.com)

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### Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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### Editor-in-Chief

Prof. Dr. Sergei Odintsov  
ICREA, 08010 Barcelona and Institute of Space Sciences (IEEC-CSIC),  
C. Can Magrans s/n, 08193 Barcelona, Spain

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