

Deep learning for medical imaging and health informatics

Chairs:

Rachid Jennane, University of Orleans, France

Mohammed El Hassouni, Mohammed V University in Rabat, Morocco

Scope and topics:

Deep learning has experienced significant growth during the last years, and many intelligent systems for medical diagnosis have been developed both in industry and academia. The emergence of deep learning has energized and enabled the development of medical image analysis systems that can display remarkable accuracy, to the point of raising concerns about the future of human experts, such as radiologists and anatomical pathologists. This special session aims to present advances and original machine and deep learning-based methods of image processing and applications in the field of health. It will be an opportunity to exchange the results of research and new developed techniques in this research field with promising prospects.

The topics of interest include, but are not limited to:

- Deep learning models for:
 - Medical image analysis
 - Medical image classification
 - Medical image segmentation
 - Medical image quality assessment
 - Disease detection and classification
 - Computer Aided Diagnostic
 - Telemedicine
 - E-Health