



CALL FOR PAPERS

ICABIA 2021
Feb 08-09, 2021
Lisbon, Portugal

The International Research Conference is a federated organization dedicated to bringing together a significant number of diverse scholarly events for presentation within the conference program. Events will run over a span of time during the conference depending on the number and length of the presentations.

ICABIA 2021 : International Conference on Advanced Biomedical Image Analysis is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Advanced Biomedical Image Analysis. The conference will bring together leading academic scientists, researchers and scholars in the domain of interest from around the world. Topics of interest for submission include, but are not limited to:

Biomedical image analysis
Medical image understanding and analysis
Medical imaging and health informatics
Optical and confocal microscopy
Video and range data images
Image processing and analysis
Image analysis of anatomical structures and lesions
Computer-aided detection and diagnosis
Deep learning in medical imaging
Machine learning based systems analysis and modeling
Optimization algorithms based machine learning
Development and applications of medical imaging based on machine learning methods, such as deep learning, artificial neural networks, support vector machines, statistical methods, manifold-space-based methods, and extreme learning machines
Multi-modality fusion for diagnosis, image analysis and image guided interventions

Medical image reconstruction
X-ray/ultrasonic/magnetic resonance imaging (MRI) acquisition, enhancement, and processing
Emerging image acquisition technologies
Computational models
Image-guided therapies
Visual rendering of complex datasets
Physiological and functional interpretation of image data
Clinical and technical evaluation of new technologies
Medical informatics
Medical image data management
Healthcare and biomedical data applications
Cellular image analysis
Molecular/pathologic image analysis

