



# CALL FOR PAPERS

**ICAAIBE 2022**  
**Aug 23-24, 2022**  
**Kuala Lumpur, Malaysia**

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.

ICAAIBE 2022 : International Conference on Algorithms and Artificial Intelligence for Biomedical Engineering is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Algorithms and Artificial Intelligence for Biomedical Engineering. 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:

Artificial intelligence for biomedical engineering  
Artificial intelligence in biomedical engineering and informatics  
Nano intelligent biomedical engineering  
Types of neural networks and neural network algorithms  
Knowledge representation, knowledge acquisition, and reasoning methodologies  
Chaotic analysis of biomedical time series  
Genetic algorithms  
Probability-based systems and fuzzy systems  
Evaluation and validation of decision support aids  
Signal processing and recent computational intelligence methods  
Computational intelligence in the control of myoelectric prostheses and exoskeletons  
Applications in neural networks, fuzzy logic, and support vector machines  
Healthcare process management

Knowledge acquisition and management  
Protocols and guidelines  
Computational intelligence in bioclinical medicine  
Computer/clinical decision support systems  
Medical imaging and signal processing, text analysis  
Natural language generation and understanding  
Medical data mining  
Bioinformatics and neurosciences  
Drug discovery  
Intelligent analysis of genomic and proteomic data  
Automated reasoning and metareasoning in medicine  
Machine learning, knowledge discovery, and data mining  
Medical informatics and biomedical engineering

