



# CALL FOR PAPERS

**ICEA 2022**  
**Sep 20-21, 2022**  
**Paris, France**

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.

ICEA 2022 : International Conference on Emergent Algorithms is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Emergent Algorithms. 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:

Emergent algorithms  
Cybernetic algorithms  
Characteristics of emergent algorithms  
Emergent algorithms for practical applications  
Design strategy  
Practical considerations  
Performance bounds  
Cybernetic algorithm design  
Emergent computing algorithms  
Applications of cybernetic algorithm design  
Self-stabilizing algorithms  
Centralized control  
Global visibility

Predictable global effects  
Learning algorithms  
Emergent properties and processes  
Emergent structures in nature  
Non-living, physical systems  
Living, biological systems  
Emergence and evolution  
Organization of life  
Emergence of mind  
Cybernetic rationality  
Algorithms and programming in cybernetic  
Cybernetic modeling  
Information theory, inference, and learning algorithms