



CALL FOR PAPERS

ICAIERES 2021
Mar 08-09, 2021
Bangkok, Thailand

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.

ICAIERES 2021 : International Conference on Artificial Intelligence in Energy and Renewable Energy Systems is

the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Artificial Intelligence in Energy and Renewable Energy Systems. 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 in energy and renewable energy systems
Artificial intelligence technology
Present applications of artificial intelligence to energy systems
Artificial neural networks for energy and renewable energy applications
Artificial neural networks in solar thermal energy systems
Genetic algorithms for the optimization of solar thermal systems
Artificial neural networks applied in PV systems and solar radiation
Application of control algorithms for wind speed prediction and active power generation
Neuro-fuzzy Hammerstein model based predictive control of a solid oxide fuel cell

The application of fuzzy systems to control and modeling of building systems
Computational intelligence techniques to architectural and building acoustics
Active learning strategies for the neural estimation of engine maps
The application of artificial intelligence techniques in combustion systems
Learning control of fluidized-bed combustion processes for power plants
Application of artificial intelligence techniques for the reduction of energy consumption
Possible, existing, and potential applications of artificial intelligence in energy systems
Process monitoring, control, scheduling and planning
Fault diagnostics and maintenance