



2024 6th International Applied Mathematics, Modelling and Simulation Conference (AMMS 2024) will be held from June 23-25, 2024 in Amarante, Portugal. This Conference will cover topics on Applied Mathematics, Modelling, Simulation and related fields. It dedicates to providing a platform for exchanging the latest research results and sharing the advanced research methods for researchers, practitioners, and professionals from all over the world.

Publication

Option 1: Publication in International Conference Proceedings, which will be indexed by EI Compendex, Scopus, etc.

Option 2: Publication in International Journal of Applied Physics and Mathematics (IJAPM) (ISSN: 2010-362X), which will be indexed by Index Copernicus, EI (INSPEC, IET), CAS, Google Scholar, EBSCO, etc.

Call for Papers

Topics of interest for submission include, but are not limited to:

01 Topic 1: Mathematics

- Analysis
- Algebra
- Applied Mathematics
- Computational Mathematics
- Control Theory and Automation
- Data Mining and Soft Computing
- Geometry
- Mathematical Chemistry and Biology
- Optimization and Operational Research
- Rough Set and Soft Set Theory
- Statistics
- Theoretical Computer Science

02 Topic 2: Statistics

- Probability Theory
- Stochastic Processes
- Simulation, Parametric and Nonparametric Inference
- Multivariate
- Bayesian Inference
- Regression Analysis Estimation Theory
- Decision Theory
- Econometrics
- Statistical Tomography and Image Processing
- Sampling Theory Etc

03 Topic 3: Simulation Tools and Platforms

- Enterprise Resource Planning
- Petri Nets
- Virtual Reality and Graphical Simulations
- Discrete-Event Simulation
- Security/Emergency Support Tools
- Plant Simulation
- Domain-Specific Tools
- Serious Games
- Team-support Tools
- Education and Training
- e-Learning Platforms
- Laboratory Simulation Software
- Computer Simulation Techniques
- Case Studies

04 Topic 4: Complex Systems Modeling and Simulation

- Collaborative Systems
- Business Process Modeling
- Multiscale Simulation
- Performance Analysis
- Social Systems Simulation
- Swarm Simulation
- Fluid Dynamics
- Biological Systems
- Environmental Modeling
- Crisis Modelling and Simulation

05 Topic 5: Formal Methods

- Security
- Planning and Scheduling
- Ontologies
- Conceptual Modeling
- Stochastic Modeling and Simulation
- Dynamical Systems Models and Methods
- Non-Linear Systems
- Distributed Simulation
- Decision Support
- Mathematical Simulation
- Neural Nets and Fuzzy Systems
- Risk Analysis

06 Topic 6: Application Domains

- Automotive Industry
- Chemical and Petroleum Engineering
- Military and Defense
- Construction Engineering and Project Management
- Telecommunication Systems and Networks
- Energy and Power Systems
- Electronics Design and Manufacturing
- Industrial Processes
- Logistics, Traffic and Transportation
- Robotics, Automation and Mechatronics
- Hydraulic and Pneumatic Systems
- GIS/GPS Systems

Speakers



Assoc. Prof. Adelaide Freitas
University of Aveiro, Portugal



Asst. Prof. Flora Ferreira
University of Minho, Portugal

Important Dates

Submission Deadline: Apr. 30, 2024
Notification of Acceptance: May. 15, 2024
Registration Deadline: May. 25, 2024
Conference Dates: Jun. 23-25, 2024 Social Program: Jun. 25, 2024

Submission Methods

Please submit your full paper/abstract to us via
<http://confsys.iconf.org/submission/amms2024>
 or Conference Email Box: amms@cbees.net

