

🌐 Morocco 📅 October 4-10, 2025

CONFERENCE
WEBSITE:

<https://ieee-congress.org/cist25/conferences/5th-ieee-omcs>

| About the Conference

The 5th IEEE Conference on Optimization and Modeling of Complex Systems will be held within the IEEE CiSt'2025 international congress the week of 04th - 10th October 2025, Ouarzazate - Marrakech, Morocco.

Optimization and Modeling of Complex system of Systems are becoming standard practice across all sectors, including health, engineering, business, education, security, and citizen interaction with local and national government. They facilitate rapid and easy dissemination of information and data to assist service providers and end-users, offering existing and newly engineered services, products, and communication channels. Recent years have witnessed rising interest in these computerized systems and procedures, which exploit different forms of electronic media in order to offer effective and sophisticated solutions to a wide range of real-world applications.

Optimization will also be covered. It intends generally a reduction operation of a definite quantity. This process naturally takes place in our

Important Dates

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environment and through our activities. Modelling natural systems phenomena and reducing their energy consumption rely on our capacity to artificially reproduce their processes. In parallel, optimization problems have quickly emerged from human activities, notably from economic concerns.

The main objective of the conference is to bring together researchers, practitioners and industrials from around the world interested in the area of optimization and modelling of complex systems, to exchange and report on new developments and advancements that cover a wide range of current issues in the design, engineering, and adoption of e-systems.

CHAIRS

Prof. Outman El Hichami, ENS, UAE, Morocco

Prof. Mohamed Naoum, ENSIAS, Rabat, Morocco

TOPICS

This conference would solicit the submissions of original papers describing significant results and developments from both researchers and practitioners in a specific range of fields addressing topics focusing on the use of e-systems in many areas of sectors of contemporary life, including:

- Risk management and optimization
- Modelling of extreme events
- Decision-making in presence of uncertainties
- Modelling of uncertainty, Bayesian theory, interval models, fuzzy set theory, and information gap theory
- Structural health monitoring, system

identification, and damage detection

- Probabilistic Approaches and Optimization
- Diagnostic and prognostic
- Reliability and optimization
- Topology Optimization
- Multidisciplinary Design Optimization and applications
- Fuzzy Optimization
- Optimization with Approximate Models
- Artificial Intelligence and Neural Networks
- Reliability-Based Design Optimization
- Stochastic Optimization

PUBLICATION

Accepted papers will be published in the proceeding and submitted to IEEE Xplore Library, Scopus and DBLP. Furthermore, Authors of high quality papers will be invited to submit an extended version of their work for publication in a special issue/section of an international journal.

IMPORTANT DATES

Paper Submission: 09 March 2025

Acceptance Notification: 23 April 2025

Camera-ready Submission: 25 May 2025

Author's Registration: 10 June 2025

Conference Dates: October 04 -10, 2025

Please get in touch if you would like to contribute in more ways; and feel free to circulate this information among your colleagues and PhD students.

If you need more information, you can email the congress committee:

e-mail: cist@ieee-congress.org

<https://www.ieee-congress.org/cist25>

TOPICS OF INTEREST

3 topics

Research papers are invited in, but not limited to, the following areas:

Uncategorized

Mathematics & Statistics

Systems Engineering

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