



CALL FOR PAPERS, SPECIAL SESSIONS, POSTERS & DEMOS

ICO 2023- In Person Conference (G Hua Hin Resort & Mall, Hua Hin, Thailand)

6th International Conference on Intelligent Computing & Optimization 2023

27-28th April, 2023

Submission deadline: February 19, 2023

Web page: <https://www.icico.info/>

Submission link- <https://easychair.org/my/conference?conf=ico2023>

E-mail: icico2018@gmail.com

<https://easychair.org/cfp/ICO-2023>

SCOPE

Innovative global optimization approaches have attracted many research scientists, decision makers, managers, executives, engineers, academicians, officers, policy makers and practicing researchers in recent years as powerful intelligent computational techniques for solving many complex real-world application problems.

The International Conference on Intelligent Computing and Optimization (**ICO'2023**) highlights the latest research innovations and applications of algorithms designed for optimization applications within the fields of Science, Computer Science, Engineering, Information Technology, Management, Finance, Business and Economics. Focusing on a variety of methods and systems as well as practical examples, this conference is a significant resource for post graduate-level students, decision makers, and researchers in both public and private sectors who are seeking research-based methods for modeling uncertain and unpredictable real-world problems.

Highlights

All accepted and reviewed papers will be published by Springer and made available through Springer-Link Digital Library, one of the world's largest scientific libraries.

Conference Topics

Topics to be discussed in this conference include (but are not limited to) the following:

Intelligent Computing: Artificial Intelligence, Quantum Computing, Deep Neural Networks, Self Organizing, Fuzzy Logic, Membrane Computing, Evolutionary Computation, Learning theory, Probabilistic methods, Image processing computer vision, Speech recognition, Big Data Analytics, Evolutionary Algorithm, Randomness Monte Carlo Methods, Algorithmic Probability, Chaos Theory, Cryptography, Game Theory, Information Theory, Pattern Recognition, Natural Computing, Evolutionary Robotics Knowledge-based System, Machine Learning, Unsupervised Learning, Computational Finance, Computational Economics, DNA Computing, Deep Learning, Wavelets, Convolutional Neural Network, Cloud Computing, Green Computing.

Optimization: Ant Colony Optimization, Artificial Bee Colony, Artificial Immune Systems, Artificial Neural Networks, Automatic Computing, Bacterial Foraging, Biological Computing, Chaos Optimization, Cloud Computing, Combinatorial Optimization, Computational intelligence, Continuous Optimization, Cultural Algorithms. Differential Evolution, Direct Search, Evolutionary Computing, Fuzzy Optimization, Genetic Algorithms, Granular Computing, Hybrid Algorithms, Local and Global Search, Memetic Algorithms, Meta-heuristic Methods, Particle Swarm Optimization, Pattern Search, Simulated Annealing, Simulation and Modeling, Soft Computing Techniques, Support Vector Machines, Swarm Intelligence, Tabu Search, Variable Neighborhood Search, Quasi-Newton Methods, Monkey algorithm, Mathematical programming.

Applications:

Green IT, IoTs, Adaptive Response, Microwave Field, Electric Skin Activity, Flood Management, Leg Mating Unit, Animal Husbandry, Reinforcement Learning, Solar Energy, Anaerobit Treatment Radiation, Elastic Damping Mechanism, Optimal Power Supply, Smart Home, Traveling Salesman Problem, Clustering Algorithms, Neural Machine Translation, Handwritten Recognition, Web Based Instruction, Load & Pollution Forecasting, SSD-Mobile net, Financial & Debt Ratios, Truth Discovery, Learning Analytics, Face Recognition, Mobile Cloud Gaming, Disposing Waste, Smart Audit, Drone, Menstrual Cycle, Pulse Wave, Traffic Data, Supply Chain, Electricity Prices, Health Economics, Photocells, Knight's Tour Problem, Electro-activated air, Vehicular communications, Elastic damping mechanism, Energy saving, Autonomous Vehicle, Photovoltaic, Grain drying, Loose material, Social Network, Monitoring System, Electroencephalogram, Block-chain, Molecular dynamics, Tree hierarchies, Hub Location, Path relinking, Interoperability, Trend Detection, Packing problem, Android, Transfer Learning Method, MobileNet, Malware Detection and Classification, COVID-19 Pandemics, E-Waste Management, Smart-Farming, Climate Change, Global Warming.

Tutorials/Workshops/Special Sessions

Proposals should provide a focused lecture or scope on new and emerging topics within the scope of the conference. Accepted and presented papers will be published in the Conference Proceedings. All proposals should be submitted by electronic mail to: icico2018@gmail.com

Posters/Demos

All ICO 2023 Posters & Demos should be submitted by electronic mail to: icico2018@gmail.com

Paper Submission

Website: The submission Web page for ICO 2023 is <https://easychair.org/conferences/?conf=ico2023>

Submission guidelines

- Papers should be in English.
- Regular papers should be up to 10 pages in length.
- Short papers should be up to 6 pages in length.
- Previously published work may not be submitted, nor may the work be concurrently submitted to any other conference or journal. Such papers will be rejected without review.
- Papers must be formatted using the SPRINGER Author's Kit.
<https://www.springer.com/us/authors-editors/conference-proceedings/conference-proceedings-guidelines>

Publication

The accepted and reviewed papers of ICO 2023 will be published in the **LNNS Lecture Notes in Networks and Systems** (<https://www.springer.com/series/15179>). The proceedings are submitted for inclusion to the leading indexing services: SCOPUS, SCImago, Google Scholar, ISI Proceedings (CPCI), Ei Compendex, CrossRef, Web of Science, and Inspec.

Best and high quality papers will be selected and reviewed by IPC in order to publish extended version of the paper in SCOPUS and WoS/ISI/ESCI journals.

Important Dates

Workshops/Tutorial proposals	10 January 2023
Full paper/Poster/Demos	19 February 2023
Acceptance Notification	28 March 2023
Camera ready deadline	19 April 2023

KEYNOTE SPEAKERS

Optimization of Marine Diesel Engine Speed Rotational Speed Control Process by Fuzzy Logic Control Based on Particle Swarm Optimization Algorithm

Professor Tien Anh Tran

Department of Marine Engineering, Vietnam Maritime University, Haiphong City, Vietnam

Real-Time Optimization: Challenges for Digitizing Business Operations

Professor José Antonio Marmolejo Saucedo

Panamerican University, Mexico

Applications of Optimization in Locating Emergency Medical Service Facilities

Professor Sunarin Chanta

Department of Industrial Management, King Mongkut's University of Technology North Bangkok, Thailand

Location Problems: An overview of models and applications

Professor Telmo Matos

Professor at ESTG and ISEP, Department of Computing Engineering; CIICESI – Center for Research and Innovation in Business Science and Information Systems, Portugal

Data Mining In Sports: Recent Advances

Professor Iztok Fister

Faculty of Electrical Engineering and Computer Science, University of Maribor, Slovenia

Biased random key genetic algorithms: A tutorial with applications

Professor Celso C. Ribeiro

Institute of Computing of Universidade Federal Fluminense, Brazil

Venue: G Hua Hin Resort & Mall, Hua Hin, Thailand (In Person/Physical Conference)

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Webpage: <https://www.icico.info/>

ICICO'2022- <https://link.springer.com/book/9783031199592>

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