

CALL FOR PAPERS, ABSTRACTS, SPECIAL SESSIONS, POSTERS & DEMOS
ICO 2021- Hybrid Conference
4th International Conference on Intelligent Computing & Optimization 2021
DECEMBER 30-31, 2021

Conference website: <https://www.icico.info/>

Submission link: <https://easychair.org/conferences/?conf=ico2021>

Submission deadline: August 24, 2021

E-mail: icico2018@gmail.com

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'2021) 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.

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:

IoT, Adaptive Response, Microwave Field, Electric Skin Activity, Flood Management, Leg Mating Unit, Animal Husbandry, Reinforcement Learning, Solar Energy, Anaerobic 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.

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:

Prof. Igor Litvinchev, Nuevo Leon State University, Mexico

igorlitvinchev@gmail.com

Prof. Valeriy Kharchenko, FSAC VIM, Russia

kharval@mail.ru

Posters/Demos

All ICO 2021 Posters & Demos should be submitted by electronic mail to:

Dr. Vladimir Panchenko

pancheska@mail.ru

Prof. Gilberto Perez Lechuga

glechuga2004@hotmail.com

Paper Submission

Website: The submission Web page for ICO 2021 is

<https://easychair.org/conferences/?conf=ico2021>

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.

Publication

The accepted and reviewed papers of ICO 2021 will be published in the SPRINGER series "Advances in Intelligent Systems and Computing".

The proceedings are submitted for inclusion to the leading indexing services: DBLP, Google Scholar, Thomson Scientific ISI Proceedings, EI Elsevier Engineering Index, CrossRef, Web of Science and Springer link.

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 July 2021
Full paper/Poster/Demos	24 August 2021
Acceptance Notification	15 September 2021
Camera ready deadline	28 November 2021

Organizing Committee

Steering Committee

Prof. Valeriy Kharchenko, FSAC VIM, Russia

Prof. Igor Litvinchev, Nuevo Leon State University (UANL), Mexico

Dr. Pandian Vasant, MERLIN, TDTU, Ho Chi Minh City, Vietnam

Dr. Joshua Thomas, UOW Malaysia KDU Penang University College, Malaysia

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Dr. Pandian Vasant, MERLIN, TDTU, Ho Chi Minh City, Vietnam

Webinar Coordinator

Dr. Joshua Thomas, UOW Malaysia KDU Penang University College, Malaysia

Venue: Zoom Webinar & G Hua Hin Resort & Mall, Hua Hin, Thailand

VISA: <https://www.thaiembassy.com/visa/thaivisa.php>

For more information about ICO'2021, please visit <https://www.icico.info/>

Please send any inquiry on ICO'2021 to [icico2018@gmail](mailto:icico2018@gmail.com)