

Statistics, Optimization & Information Computing Journal

Special Issue of International Conference on Electronics, Control, Optimization
and Computer Science ICECOCS'20

Aims and scope:

Achieving a better solution or improving the performance of existing system is an ongoing process for which scientists, engineers and researchers have been determined for many years. In process industry, design and operation planning functions are particularly complex and a wide range of optimization methodologies are used to minimize risks and improve quality in making decisions which are becoming even harder in the era of Big Data.

More, a large amount of this data comes from different devices connected in billions to constitute the Internet of Things and it is required to provide solutions for various network related problems. Indeed, the availability of large amount of information is leading toward the definition of new optimization problems.

In the other hand, the interplay between optimization and machine learning is one of the most important developments in modern computational science. In fact, with the growth of new technologies and models in machine learning, researchers in this field have to continuously face with new challenges. In this context, Optimization methods represent key factors in designing algorithms to extract essential knowledge from huge volumes of data.

The aim of this special issue of **the Statistics, Optimization & Information Computing Journal** is to provide a remarkable opportunity for the scholars, researchers, academicians and industry communities in the fields of optimization and its applications in electronics and computer science to address new challenges, share experiences and discuss future research directions. This special issue is open for submissions, including extended high-quality papers presented at IEEE International Conference on Electronics, Control, Optimization and Computer Science (ICECOCS'20), held in Kenitra, Morocco, December 2nd-3rd, 2020.

Topics of interest:

Topics include various areas of optimization and its applications which include but are not limited:

- Optimization and its applications in engineering sciences
- Optimal control : Theory and Application
- Stochastic and Probability optimization
- Optimization and Decision Making
- Learning and intelligent optimization
- Optimization in Data and Signal Processing
- Optimization in IoT and Embedded Systems
- Networking and Communications : Network and combinatorial optimization
- Big Data Optimization

Submission Guidelines:

Submissions should be prepared for publication according to the journal submission: <http://www.iapress.org/index.php/soic/information/authors>. The submitted papers must have at least 30% different material beyond any other previously published work. Submissions must be original and must not be under consideration in any other venue. Authors must indicate the name and date of the previously published conference and indicate very briefly how the new submission offers new contributions. All Papers will be subjected to a rigorous review process following the reviewing rules of the journal.

Requests for additional information should be addressed to corresponding guest editors.

Important Dates:

- Submission deadline: February 15, 2021
- Initial notification: May 15, 2021
- Submission deadline for revised papers: Jun 15, 2021
- Final acceptance/rejection notification: July 15, 2021
- Publication: As per the policy of journal

Guest Co-Editors:

- Dr. Salma Azzouzi, Ibn Tofail University, Morocco.
E-mail: salma.azzouzi@uit.ac.ma
- Dr. Saoussen Cheikhrouhou, University of Sfax, Tunisia
E-mail: saoussen.cheikhrouhou@redcad.org
- Dr. Abdessalam Ait Madi, Ibn Tofail University, Morocco.
E-mail: abdessalam.aitmadi@uit.ac.ma
- Dr. Mohammed Talibi Alaoui, Sidi Mohamed Ben Abdellah University, Morocco
E-mail: mohammed.talibialaoui@usmba.ac.ma