



10<sup>th</sup> International Conference on Control,  
Decision and Information Technologies

July 01- 04, 2024

Valletta, Malta

## CALL FOR PAPERS - SPECIAL SESSION

### “Optimization problems related to telecommunication network”

for **CoDiT 2024**

**July 01-04, 2023** ▪ Valletta, Malta

#### Session Co-Chairs:

Dr. Amal Benhamiche, Orange lab, France (email: [amal.benhamiche@orange.com](mailto:amal.benhamiche@orange.com))

Dr. Sébastien Martin, Huawei Technologies Co., France (email: [sebastien.martin@huawei.com](mailto:sebastien.martin@huawei.com))

#### Session description:

The fifth generation (5G) of mobile networks triggers major transformation in all the network layers and management components used to provide the underlying emerging services. In this context, several challenging optimization problems have emerged and will likely give rise to even more variants related to the technological requirements of 5G and beyond networks, thus stressing the need for new decision-making approaches. Some examples of new challenges are the consideration of Quantum computing, online optimization, data-driven optimization with a large amount of data, Green optimization. This special session is dedicated to the optimization of 5G communication networks.

The goal is to discuss new underlying optimization problems and original approaches to solve them efficiently.

The topics of interest include, but are not limited to:

- 5G network problems
- Mathematical models
- Artificial Intelligence for optimization problems
- Meta-heuristics
- Data-driven algorithms...

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#### SUBMISSION

Papers must be submitted electronically for peer review through PaperCept by **February 03, 2024:**

<http://controls.papercept.net/conferences/scripts/start.pl>. In PaperCept, click on the **CoDiT 2024 link** “Submit a Contribution to CoDiT 2024” and follow the steps.

**IMPORTANT:** All papers must be written in English and should describe original work. The length of the paper is limited to a maximum of 6 pages (in the standard IEEE conference double column format).

#### DEADLINES

**February 03, 2024:** deadline for paper submission

**April 14, 2024:** notification of acceptance/reject

**May 10, 2024:** deadline for final paper and registration