

CALL FOR PAPERS - SPECIAL SESSION

“Optimization problems related to telecommunication network” for CODIT’23

July 03-06, 2023 ▪ Roma, Italy

Session Co-Chairs:

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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

SUBMISSION

Papers must be submitted electronically for peer review through PaperCept by **January 27, 2023:**

<http://controls.papercept.net/conferences/scripts/start.pl>. In PaperCept, click on the **CoDIT 2023 link** “Submit a Contribution to CoDIT 2023” 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

January 27, 2023: deadline for paper submission

April 15, 2023: notification of acceptance/reject

May 20, 2023: deadline for final paper and registration