

## Call for Papers – Special Issue of Journal of Heuristics

### ROADEF/EURO challenge 2020

Guest Editors

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Thanks to the success of the previous challenges, the French Operational Research (OR) and Decision Support Society ([ROADEF](#)) has organized exceptionally jointly with the European Operational Research Society ([EURO](#)) the ROADEF/EURO challenge 2020 dedicated to *Maintenance Planning Optimization* problem in collaboration with [RTE](#) (Réseau de Transport d'Electricité).

This challenge was *open* to everyone and has multiple aspects. First, it allows some of our industrial partners to follow recent developments in the fields of Operations Research and Decision Analysis. Second, through the junior category young researchers have the opportunity to face up to a complex industrial optimization problem. The challenge give them an opportunity to explore the requirements and difficulties encountered in industrial applications. Third, through the senior category, this challenge allows qualified researchers to demonstrate their knowledge and share their know-how and expertise on the practical problems. This also gives them the opportunity to establish partnerships with industrial companies. Last, a **scientific prize** dedicated to qualitative submissions was proposed.

At the beginning of the competition, 72 teams have been registered (41 senior and 31 junior teams). The process to reach the final and win the challenge prize includes a first selection for the semi-final where 22 teams qualified, amongst them 6 juniors. A second selection retained only 13 teams, counting still 5 juniors teams qualified. The results of the challenge were given at the closing session of the EURO conference held in Athens last summer.

This special issue is concerned with the scientific prize and gives the opportunity to the participants to publish their method in a scientific article.

#### Timeline for Special Issue:

Submission of papers: March 31, 2022

(papers submitted earlier may be reviewed more quickly)

Notification of first review: June 30, 2022

Revised (final) manuscripts due: October 15, 2022

**NOTE:** Authors should submit their manuscripts to the Journal of Heuristics Editorial Manager <http://heur.edmgr.com>. Enter system as an *Author*, click on *Submit New Manuscript* and then use the pull-down menu in the box for *Choose Article Type* to select *S.I. : ROADEF/EURO challenge 2020*.