Special Issue on "Modelling, simulation and optimization in healthcare"

In a world experiencing – at least in industrialized countries - steadily rising health care costs and increasingly stringent budget limitations, Operations Management can significantly contribute to improve the design and operation of health care delivery systems.

Healthcare is the natural setting for a wide range of challenging OM problems, involving a plurality of stakeholders and requiring proper models and methods to be addressed.

Submissions to this special issue must make a substantial contribution to the theory and/or propose the integrated application of multiple quantitative methodologies (e.g. optimization, simulation, process-mining, data-mining, etc.) to address real-life problems.

This special issue will be focused on, but not limited to, the following topics:

- Ambulatory care
- Transitions of Care
- Clinical Pathways
- Patient-centered policies
- Emergency, Emergency management plan
- Operating Theater management
- Hospital drug logistics
- Diagnostic laboratories management
- Healthcare demand forecasting
- Home healthcare services design
- Healthcare facility location

Important dates
Deadline for submission: 15/02/2018 (EXTENDED)
Review deadline and notification to authors: 15/05/2018
Deadline for Revised Papers: 31/10/2018
Second Review deadline: 31/12/2018
Final Decision: 31/03/2019
Expected Publication: December 2019

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