

Special session**Deadline: 15 May 2020****Title:**

Health Care Management

Organised by:

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Abstract:

According to the Organization for Economic Cooperation and Development (OECD) countries, total expenditures on health services are constantly growing. Health structures are increasingly facing changing health demands as well as economic and political pressure.

This track/session is to discuss health care systems, new and efficient decisional systems involving optimization techniques to improve healthcare services. Both scientists and practitioners are invited to present their research work in the areas of healthcare systems management and optimization. In particular, the following three topics are relevant and should be at the core of this session:

. Uncertainty and decision support systems to provide support for healthcare managers in order to make the best decisions when unexpected events, perturbations, disasters, etc. occur.

. Home Health Care (HHC) systems to provide continuous and coordinated care services taking into account the challenges posed by aging societies.

. "Classical" health care services and structures, which are increasingly facing changing health demands as well as economic and political pressure.

List of main topics:

- . Forecasting and optimization*
- . Home health care services*
- . Health care services management*
- . Approaches to forecasting in health care operations*
- . Location issues in health care*
- . Health care services and simulation*
- . Health disaster management (COVID19,...)*
- . Routing and scheduling in health care*
- . Home health care services*
- . Patient flow management*

- . *Scheduling problems: staff, operating room, emergency services,*
- . *Exact methods and heuristics for health care problems*
- . *Uncertainty and stochastic programming in health care*
- . *Real world applications of HL*
- . *Deep Learning for Predictive Analytics and modeling in Healthcare*
- . *decision support in healthcare and risk analysis*
- . *IoT sensor technology*
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Keywords:

optimization, simulation, forecasting, disaster management, logistics