

Proposal for Special Session at IEEE CASE 2021

Goal:

- The objective of this session is to bring together researchers working on the transferability and adaptability of methods and tools of Industrial engineering for home healthcare Care Networks management, in order to exhibit recent developments in this area.
Specific difficulties encountered in the home healthcare sector and care networks are:
 - o difficulty in the setting of the care production mix in the care network;
 - o variability of duration of activities constituting the mix of treatments related to the patient state, practitioner, the technique of investigation, etc.;
 - o need to provide care regarding logistic constraints and quality and cost objectives.
- The new constraints faced by home health care and care networks are:
 - o the scarcity of some resources,
 - o the reduction of operating budgets,
 - o the resource sharing.

The topics include but are not limited to: healthcare operations management, Health Information system, Healthcare facility location, Management and Resource Planning, Logistics and resource configuration, Modeling and socioeconomic evaluation of healthcare systems, Design and management of home health care and care networks, etc.

Session Title: [Industrial Engineering for Home Healthcare and Care Networks]

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