

Workshop/Tutorial title: Trends, challenges and opportunities for the Hospital of the Future

Organizers

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Short Description

New global challenges are demonstrating that high levels of collaboration are required for interconnected societies to face emergencies and crisis. In this context, rethinking and reshaping the role of hospitals as physical and virtual spaces is fundamental need that National Healthcare System are called to lead. However, hospital management is not data-driven yet, clinical and logistic processes work substantially in silos.

Contents

In this workshop we are going to see relevant experiences from thought leaders from all over the world, informing on perspectives, visions, and experiences on how health informatics is acting already as a driver towards the hospital of the future. These experiences will be shown around three main areas of interventions:

- Enhanced Hospital Workers, exploring how to empower hospital workers with appropriate technologies to enhance their skills and support their daily work.
- Enhanced Robots, to automatise those hospital processes which are no more in need of humans or can benefit from automations.
- Enhanced Locations, to instrument medical locations to safely and effectively interact with workers, robots, devices and other relevant hospital assets.

CVs of the Organizers

MT Arredondo is Full Professor, Director of the Life Supporting Technologies research group and coordinator of the PhD program in Biomedical Engineering at UPM.
G Fico is Assistant Professor and head of the Health Area at the Life Supporting Technologies at UPM. He is Secretary General of the European Alliance of Medical and Biological Engineering



