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4th
October
2019

International Seminar on Rehabilitation and Assistive Robotics

Call for Papers & Registration

Important Dates

Extended Deadline

July 4th, 2019

August 2nd, 2019

Registration Deadline (registration fee)

August 30th, 2019

September 20th, 2019

Notification of Acceptance

August 23rd, 2019

In the last years, the rise of medical robotics has paralleled the rapid advances in technology, computers, and engineering. On the one hand, rehabilitation robotics reinforces associative learning by providing repetitive therapy to various impairments. On the other hand, assistive devices such as upper-limb prosthetics, help patients to perform activities of daily living with ease and, in most cases, cost-effectiveness.

In this regard, new technologies have emerged to improve the living conditions of people who have suffered from motor impairments or amputations. Assistive robotics, implemented either by means of a hardware adaptation or high-level control approaches, has led to the appearance of several promising applications to improve the independence of such affected population. In pursuit of effective recovery alternatives, these solutions require robust interfaces that allow natural and compliant control, and its research is, therefore, a major remark in the field of assistive robotics nowadays.

This seminar aims at discussing the pertinence and the feasibility of the establishment of human-robot interfaces to enhance assistive and rehabilitation device's interaction performance. We invite participants from a variety of backgrounds (e.g. physiotherapist, physiatrist, engineers, scientist, patients, clinical researchers, and industry) to share their experiences on the requirements and challenges implementing and deploying rehabilitation and assistive robotics in the context of developing countries.



Keynote Speakers



Prof. Dr. Samer Mohammed

LISSI - University of Paris-Est Créteil (France)



Dr. Jan F Veneman

Hocoma AG (Volketswil, Switzerland)



Eng. Jorge Robledo

Founder of Prótesis Avanzadas (Colombia)

Organizers

Prof. Dr. Carlos A. Cifuentes

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