

ROBOTICS IN REHABILITATION COURSE

January 2016 to March 2016



The International Society of Physical and Rehabilitation Medicine invites you to the second online Course on Robotics in Rehabilitation

The purpose of this course is to review basic neuroscience concepts and clinical evidence on the application of robotics in rehabilitation, as well as discuss novel approaches to augment outcomes further. The course employs a highly interactive learning environment to offer participants the opportunity to ask the experts after reviewing a set of educational videos.

The platform environment is based on set of educational videos followed by an online collaborative learning model, in which participants are able to interact with their peers and strengthen their knowledge through discussion and debate with the experts. Lectures will take place in different time points during the course, followed by the online discussion forum.

Registration Information

Registration Fee:
US \$100.00

FACULTY

HERMANO IGO KREBS, PhD
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MIT - Massachusetts Institute of
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NEVILLE HOGAN, PhD
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DAGMAR STERNAD, PhD
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ANDREW SCHWARTZ, PhD
University of Pittsburgh, USA

DYLAN EDWARDS, PhD
Weill Cornell Medical College

THAIS TERRANOVA, OT
Rede Lucy Montoro, Brazil

TOPIC

DEVELOPMENT

Module Title 1 (English) January 11 th to 15 th	Lecture Title: Neuroscience Upper Extremity Online discussion (Prof. Dagmar Sternad)
Module Title 2 (English) January 18 th to 22 nd	2 nd Lecture – Neuroscience Lower Extremity Online discussion (Prof. Neville Hogan)
Module Title 3 (English) January 25 th to 29 th	3 rd Lecture – Overview Upper & Lower Extremity Robotics Online discussion (Dr. Hermano Igo Krebs)
Module Title 4 (English) February 1 st to 5 th	4 th Lecture – Toyota Balance and Gait Rehab Robotics Online discussion (Prof. Eiichi Saitoh)
Module Title 5 (English) February 8 th to 12 th	5 th Lecture – Neuromodulation and Robotics Online discussion (Dr. Dylan Edwards)
Module Title 6 (English) February 15 th to 19 th	6 th Lecture – Neuroprosthetics & Brain Machine Interface Online discussion (Prof. Andrew Schwartz)
February 19 th	Final remarks and course closure (English)
Module Title 3.a. (Portuguese) February 22 nd to 26 th	3.a. th Lecture – Upper Extremity Rehab Robotics Online discussion (Dr. Hermano Igo Krebs)
Module Title 3.b. (Portuguese) February 29 th to 4 th March	3.b. th Lecture – Lower Extremity Rehab Robotics Online discussion (Dr. Hermano Igo Krebs)
Module Title 3.c. (Portuguese) March 7 th to 11 th	3.c. th Lecture – Sharing Users Experience in Rehab Robotics Rede Lucy Montoro Online discussion (Dr. Thais Terranova)
March 11 th	Final remarks and course closure (Portuguese)

FOR ADDITIONAL INFORMATION:

<http://rehabcourses.magiz.com.br> or contact isprloffice@kenes.com or hikrebs@mit.edu