Data: ***3 Iunie 2016, ora 12:00***

Locatia: Sala de conferinte “Dragomir Hurmuzescu” a IEEIA

Va conferentia (30-40 min): ***Tom Carlson***, PhD, DIC, MEng (hons), ACGI, MIEEE, MIET,

Lector la University College London

Tema: ***Helping people regain independence: from intelligent robotics to brain-machine interfaces***.

Subiectul prezentarii şi al discutiilor:

* Principalele contributii in activitatea de cercetare;
* Experiente legate de participarea/propunerea proiectelor EU.

Descriere lector :

***Tom Carlson is a Lecturer at University College London***, UK in the Aspire CREATe — Centre for Rehabilitation Engineering and Assistive Technology. Currently he is also a visiting professor at the Université de Valenciennes et du Hainaut–Cambrésis, France and he co-directs the INRIA associated team, ISI4NAVE, a collaboration with IRISA, Rennes, France. He completed both his MEng in Electronics (2006) and his PhD in Intelligent Robotics (2010) at Imperial College London. He then pursued 3.5 years of postdoctoral research at EPFL, Switzerland. He is an active member of the IEEE Systems Man and Cybernetics society and co-founded the Technical Committee (TC) on Shared Control in 2012, which he co-chaired until 2015, when it won the prize for the most active IEEE SMC TC.

His ***research focus*** is on the user-centred design of assistive robotic technologies for people with spinal cord injuries. In particular he is developing shared control techniques for wheelchairs, robotic exoskeletons and brain-machine interfaces, which blur the boundary between assistive and rehabilitative technologies. He has been involved in several large projects, including the Swiss National Centre of Competence in Research (NCCR) Robotics and the EU FP7 project TOBI : Tools for Brain-Computer Interaction, which was rated at the highest level, "excellent progress", in the final project review. He currently has a number of funded projects, ranging from “Shared Control for Wheelchair Interfaces” and “WESkiD: Wheelchair Early Skills Development”, to “RESPONSS: Rehabilitation Technologies Supporting Clinical and Self-management of Spasticity”