



PhD Course on Medical Robotics

23rd - 27th May 2011

Bioengineering department, Politecnico di Milano
via Golgi 39, Building 34, 4th floor, seminar room

Monday 23rd May

Tuesday 24th May

Wednesday 25th May

Thursday 26th May

9.30 - 12.30

Prof. Paolo Fiorini

Models and controls for teleoperation, with applications to robotic surgery

Steerable needle control Prof. Arianna Menciassi Prof. Domenico Prattichizzo

Haptics (basics and application to medicine)

Robotics control

lunch

14.00 - 16.00

Prof. Paolo Fiorini

Prof. Arianna Menciassi

Endoluminal diagnosis and therapy: fundamentals and case studies

Prof. Giancarlo Ferrigno

Robotics in neurosurgery

Prof. Domenico Prattichizzo

Federico Vicentini

Rehabilitation robotics

16.00 - 17.00

Lab practice

Lab practice

Lab practice

List of speakers:

- Prof. Giancarlo Ferrigno, Full Professor in Biomedical Engineering, Bioengineering Department, Politecnico di Milano
- Prof. Paolo Fiorini, Full Professor of Automation and Robotics, Università degli Studi di Verona
- Prof. Arianna Menciassi, Associate Professor of Biorobotics, Scuola Superiore Sant'Anna, Pisa
- Federico Vicentini, PhD, Researcher in Robotics & Automation, Inst. Industrial Technologies and Automation, CNR, Milano
- Prof. Domenico Prattichizzo, Associate Professor of Automation and Robotics, Università degli Studi di Siena
- Abed Hammoud, PhD, MBA CEO RENISHAW Mayfield SA
- Seong Young Ko, PhD, Mechanical Engineering Department, Imperial College of London, UK