



**Politecnico di Torino, Stanford University and University of Maribor announce  
the Workshop**

**The investigation of the neuromuscular system through  
intramuscular and surface electromyography**

**Monday, February 1<sup>st</sup>, 2010**

**Laboratorio LED 3, 2<sup>nd</sup> floor, Cittadella Politecnica, Scavalco SUD, Corso Castelfidardo 39, Torino**

- 9.00 - 10.00 F. Profumo, Rector of Politecnico di Torino  
M. Rasetti, Chair of the Graduate School, Politecnico di Torino  
E. Ghigo, Coordinator of Research on medical and clinical sciences, School of medicine, University of Torino  
*Welcome address*
- 10.00 -10.40 R. Merletti, LISiN, Politecnico di Torino, Italy  
*Presentation of LISiN's research on the neuromuscular system*
- 10.40 -11.20 K. McGill, Palo Alto Rehabilitation R&D Center, US Dept. of Veterans Affairs, USA  
*Presentation of Stanford University's research on the neuromuscular system*
- 11.20 -12.00 D. Zazula, Faculty of Electrical Engineering and Computer Science (FERI), University of Maribor, Slovenia  
*Presentation of University of Maribor's research on biomedical signal processing*
- 12.00 - 12.30 *Discussion*
- 12.30 - 14.00 *Lunch*
- 14.00 - 14.40 H. Marateb, LISiN, Politecnico di Torino, Italy - Stanford University School of Medicine  
K. McGill, Palo Alto Rehabilitation R&D Center, US Dept of Veterans Affairs, USA  
*Investigating the neuromuscular system using EMG decomposition*
- 14.40 - 15.20 A. Holobar, D. Zazula, (FERI), University of Maribor, Slovenia  
*Quantification of information in surface EMG*
- 15.20 - 16.00 T. Vieira, LISiN, Politecnico di Torino, Italy – Federal University of Rio de Janeiro, Brazil  
*Surface and intramuscular EMG: how large is the territory of motor units in the human medial gastrocnemius muscle?*
- 16.00 - 16.30 *Coffee break*
- 16.30 - 17.10 M. A. Minetto, University of Torino - LISiN, Politecnico di Torino, Italy  
*Is muscle fibre conduction slowing a sensitive marker of steroid myopathy? A pilot study in Cushing's syndrome*
- 17.10 - 17.50 R. Merletti, LISiN, Politecnico di Torino, Italy  
M. A. Minetto, University of Torino - LISiN, Politecnico di Torino, Italy  
*Technical problems and clinical perspectives of surface and intramuscular EMG: future developments and applications*
- 17.50 -18.30 *Discussion*

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