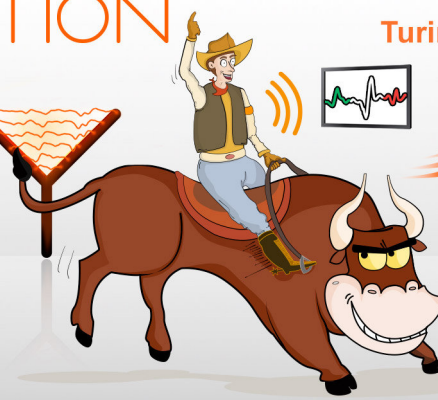
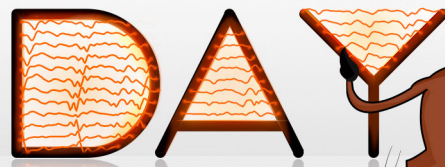




**BIO**  
elettronica



**ARTIFACT-LESS**

Ricerca applicata:  
Stato dell'arte - EMG



Applied research:  
EMG - State of the art

6<sup>th</sup> September 2019

## OT Bioelettronica Day Program

**h. 8:30 – 8:55**

*Registration*

**h. 9:00 – 9:05**

*OT Bioelettronica staff: Event details*

**h. 9:05 – 9:20**

**Kohei Watanabe [Chukyo University]:**

*“Motor unit adaptations following resistance exercise with nutritional supplementation in older adults”*

**h. 9:25 – 9:30**

*Sponsors Intro*

**h. 9:35 – 9:50**

**Dario Farina [Imperial College London]:**

*“Evolution of Electromyography from Muscle Electrophysiology to Neural Interfacing”*

**h. 9:55 – 10:00**

*Sponsors Intro*

**h. 10:05 – h10:20**

**Roger M. Enoka [University of Colorado]:**

*“Stretch-induced changes in motor unit activity during steady submaximal contractions”*

**h. 10:25 – 10:30**

*Sponsors Intro*



**h. 10:30 – 11:00**  
*Coffee break*

**h. 11:00 – h11:15**

**Claudio Castellini [German Aerospace Center, DLR]:**

*“Interactive (machine) learning: a key component of the HMI of the future”*

**h. 11:20 – 11:25**

*Sponsors Intro*

**h. 11:30 – 11:45**

**Leonardo Gizzi [Stuttgart University]:**

*“Effects of temporary blood flow restriction on human motor control”*

**h. 11:50 – 12:05**

*Sponsors Intro*

**h. 12:10 – 12:25**

**Marco Barbero [SUPSI]:**

*“Topographic mapping of surface EMG: clinical investigations in people with pain”*

**h. 12:30 – 12:35**

*Sponsors Intro*

**h. 12: 40 – 12:55**

**Marco Gazzoni [LISiN - Politecnico di Torino]:**

*"A ride through the last technological developments for dynamic HD-sEMG"*



**h. 13:00 – 14:10**  
**Lunch break**

**h. 14:15 – 14:35**

**Mechanic Bull Session 1**

**h. 14:40 – 14:55**

**Hands-on Session 1**

**Group A:** *"Real Time Decomposition"* [Imperial College]

**Group B:** *"Decomposition Tips and Tricks"* [Imperial College]

**Group C:** *"BioFApp demo"* (Bioelectrical Fatigue App) [Università di Torino]

**h. 15:00 – 15:20**

**Mechanic Bull Session 2**

**h. 15:25 – 15:40**

**Hands-on Session 2**

**Group A:** *"Decomposition Tips and Tricks"* [Imperial College]

**Group B:** *"BioFApp demo"* (Bioelectrical Fatigue App) [Università di Torino]

**Group C:** *"Real Time Decomposition"* [Imperial College]

**h. 15:45 – 16:05**

**Networking**

**h. 16:10 – 16:30**

**Mechanic Bull Session 3**

**h. 16:35 – 16:50**

**Hands-on Session 3**

**Group A:** *"BioFApp demo"* (Bioelectrical Fatigue App) [Università di Torino]

**Group B:** *"Real Time Decomposition"* [Imperial College]

**Group C:** *"Decomposition Tips and Tricks"* [Imperial College]



**h. 17:00**  
**End and Final Drink**

