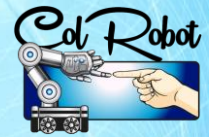


# Technical workshop on Human-machine interfaces



<http://www.colrobot.eu/>

Department of Mechanical Engineering - POLO II, University of Coimbra

September 21, 2016, Coimbra, Portugal

[http://www.uc.pt/fctuc/dem/Imagens\\_dem/WS\\_HMI](http://www.uc.pt/fctuc/dem/Imagens_dem/WS_HMI)



Intuitive human-machine interfaces (HMIs) have experienced a great evolution in the last decades. Accurate, reliable, multimodal, with integrated processing and relatively inexpensive sensors have contributed decisively to the development of HMIs. The HMI of a given equipment is today a key element to the acceptance of such equipment by the end-users.

This technical workshop aims to bring together academicians, researchers, students, and industry professionals from various sectors to discuss and exchange ideas, enlarge networks, and present recent progress and achievements in the emerging areas HMIs and sensors.

## PROGRAMME

**14:30-14:45** Intuitive human-machine interfaces, **Pedro Neto**, Universidade de Coimbra (<http://www2.dem.uc.pt/pedro.neto>)

**14:45-15:45** The TECHNID motion capture system based on IMU sensing - demonstration, **Javier Roa, Jorge Guevara, Carlos Prieto**, TECHNID (<http://www.technid.com>)

**15:45-16:15** Brain activity (electroencephalography, EEG) to control rehabilitation exoskeletons, **Jose M. Azorin**, Universidad Miguel Hernández de Elche (<http://bmi.umh.es/personal/jose-m-azorin>)

**16:15-16:45** Interfaces for collaborative industrial robots, **Sérgio Chora**, KUKA (<http://www.kuka.com>)

## ORGANISATION

**Pedro Neto**

University of Coimbra,  
Portugal

**Javier Roa, Jorge Guevara, Carlos Prieto**

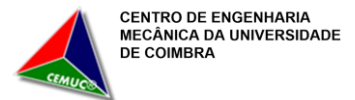
Technaid, Spain

## TIME PERIOD

14:30 - 16:45

## PARTICIPATION

Free, no registration required.



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