

### HIGHLIGHTS

#### Call Be for ERC Sapienza

Professor Gaudenzi, as DIMA Director, has made it known to all that Eduardo Palermo and Riccardo Patriarca have recently won the Call for Sapienza “Be For ERC” as part of the University project SAPIExcellence. The loan, amounting to € 100,000.00, is intended for the stipulation of two research grants with the winners. In particular, Palermo presented a proposal entitled **WAINOT**: Wearable Assistive Intelligence as a Neuroprosthesis for mOTor control in Parkinson’s Disease, and Patriarca presented a proposal entitled **RESCUE**: Resilience Engineering for Safety in Complex Unexpected Events.



Eduardo Palermo



Riccardo Patriarca

### NEWS FROM DIMA

#### Open Day Master EFER 2020

Wednesday 22 January at 15.30 in the Faculty of Civil and Industrial Engineering, Prof. Franco Rispoli, as Master Director, inaugurated the XV edition of the Professional Master EFER - Energy efficiency and renewable sources – 2019/2020. The event was attended by the members of the Scientific Educational Council of the Master, to introduce all principal topics of this academic year, in a national and international context that requires a transversal use of resources and skills. There were numerous members of companies and organizations involved in the energy sector.



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#### Experimental campaign at the FemtoSt laboratory

The DIMA is actively involved in the investigation of the origin and reproduction of tactile perception. The sense of touch, actually the most unknown of human senses, is originated by the tribological interaction between the skin and the touched surfaces, where contact forces and friction-induced vibrations are between the mechanical stimuli at the origin of the perception. In the context of the research network TACT (GDR CNRS 2033), the DIMA collaborates with several research laboratories in neuroscience, biomechanics and psychophysics to achieve the insights of Touch and its multi-physical nature. In January 2020 an experimental campaign has been conducted at the FemtoSt laboratory (Besancon, France) to reconstruct the cognitive processing of touch, starting from the analysis of the mechanical stimuli (DIMA, FemtoSt, LaMCoS) up to the perception of the stimuli and the explored surfaces (LGF, LEAD), passing by the analysis of the brain activity (LNC Aix-Marseille).

Photo credit: Sandrine Quarroz - Femto-st Sciences & Technologies

