



## Annual PhD research presentations

November 30<sup>th</sup>, 2018

Sala Consiliare, Faculty of Engineering, via Branze 38

- 9:00 **Davide Mattavelli** (Prof. Piero Nicolai, Prof. Alberto Deganello)  
*3D printing of biocompatible engineered polymers for personalized skull base reconstruction in endoscopic skull base surgery*
- 9:15 **Gaia Faustini** (Prof. Alessandra Valerio, Prof. Arianna Bellucci)  
*Development of novel data processing systems for image analysis to predict pathology staging in experimental models of Parkinson's disease*
- 9:30 **Mattia Savardi** (Prof. Alberto Signoroni)  
*Visual content analysis with Machine-Learning and Deep-Learning methods for biomedical and neuroscientific applications*
- 9:45 **Linda Sangalli** (Prof. Corrado Paganelli, Prof. Alberto Signoroni)  
*Elaboration of a digital system for three-dimensional measurement of orthodontic teeth movements*
- 10:00 **Lukas Berr** (Prof. Corrado Paganelli)  
*Involvement of relatives in advance elderly care by remote app through education of healthcare professionals*
- 10:15 **Federica Re** (Prof. Domenico Russo)  
*Hydrogel Polymeric Scaffolds (HyPSs) bioengineered with Human Mesenchymal Stem Cells (hMSCs) for regenerative medicine employment*
- 10:30 **Saad Abdullah** (Prof. Emilio Sardini, Prof. Mauro Serpelloni)  
*Measurement systems for protein detection*
- 10:45 **Stefano Lenzi** (Prof. Nicola Francesco Lopomo)  
*Innovative Technological Approaches in Ergonomics and Rehabilitation*
- 11:00 **Paolo Bellitti** (Prof. Emilio Sardini, Prof. Mauro Serpelloni) [Skype]  
*Modular and scalable wearable system for multiple finger tracking*