



## Annual PhD research presentations

October 24<sup>th</sup>, 2019

Sala Consiliare, Faculty of Engineering, via Branze 38

- 14:30 **Linda Sangalli** (Prof. Corrado Paganelli, Prof. Alberto Signoroni)  
*Elaboration of a digital system for three-dimensional measurement of orthodontic teeth movements*
- 14:50 **Davide Mattavelli** (Prof. Piero Nicolai, Prof. Alberto Deganello)  
*3D printing of biocompatible engineered polymers for personalized skull base reconstruction in endoscopic skull base surgery*
- 15:10 **Saad Abdullah** (Prof. Emilio Sardini, Prof. Mauro Serpelloni)  
*Measurement techniques for the biomedical engineering field (biology and health care systems)*
- 15:30 **Paolo Bellitti** (Prof. Emilio Sardini, Prof. Mauro Serpelloni)  
*Smart biomedical devices for healthcare applications and wearable hand movement tracking system*
- 15:50 **Lukas Berr** (Prof. Corrado Paganelli)  
*Involvement of relatives in advance elderly care by remote app through education of healthcare professionals*
- 16:10 **Gaia Faustini** (Prof. Alessandra Valerio, Prof. Arianna Bellucci)  
*New insights into pathology staging of Parkinson's Disease: an advanced molecular and structural imaging study*
- 16:30 **Stefano Lenzi** (Prof. Nicola Francesco Lopomo)  
*Innovative Technological Approaches in Ergonomics and Rehabilitation*
- 16:50 **Federica Re** (Prof. Domenico Russo)  
*3D gelatin-chitosan hybrid hydrogels combined with human platelet lysate highly support human mesenchymal stem cell proliferation and osteogenic differentiation*
- 17:10 **Mattia Savardi** (Prof. Alberto Signoroni, Prof. Sergio Benini)  
*Deep Learning driven methods for medical image analysis and media psychology*