



XXXIV and XXXV Cycle - PhD Annual Presentations

November 26th, 2020

XXXIV Cycle

Time		PhD Candidate
9:00 AM		Vittorio RAMPINELLI <i>Multiperspective study of head and neck anatomy: development and validation of an interactive IT platform</i> Prof. Francesco Doglietto
9:10 AM		Edoardo CANTÙ <i>Printed sensors on non-conventional substrates</i> Prof. Mauro Serpelloni
9:20 AM		Giorgio CASSIOLAS <i>Novel approaches for understanding, monitoring and preventing the onset of osteoarthritis in elderly population</i> Prof. Nicola Francesco Lopomo - Dr. Fulvia Taddei
9:30 AM		Serena DUCOLI <i>Biotechnology and engineering: new frontiers for materials for a sustainable development.</i> Prof. Elza Bontempi – Dr. Stefania Federici
9:40 AM		Ario FAHIMI <i>DEASPHOR: Design of A product for substitution of PHOsphate Rocks</i> Prof. Elza Bontempi
9:50 AM		Raphaël JAUBERTEAU <i>Spatiotemporal control of light beams for nonlinear microscopy applications</i> Prof. Stefan Wabnitz - Prof. Vincent Couderc



10:00 AM		Marialaura SERZANTI <i>Building Human Engineered Tissue: cell alignment using acoustic waves</i> Prof. Marco Rusnati
10:10 AM		Alberto ZUCHELLI <i>Instrumental evaluation of mobility in older adults</i> Prof. Nicola Francesco Lopomo - Prof. Alessandra Marengoni

XXXV Cycle

Time		PhD Candidate
10:20 AM		Fatehia BUSHARA GARMA BUSHARA <i>Artificial Intelligence (AI) Applications in Medical Imaging</i> Prof. Nicola Francesco Lopomo - Prof. Alberto Signoroni
10:30 AM		Antonella CORNELIO <i>Design of porous materials derived from industrial non-hazardous waste powder for air particulate matter entrapment</i> Prof. Elza Bontempi
10:40 AM		Tiziano FAPANNI <i>Sensor Designs for e-skin by printed and flexible electronics</i> Prof. Mauro Serpelloni
10:50 AM		Marco FERRARI <i>Surgical navigation-aided oncologic ablations for head and neck cancers, preclinical phase on cadaver-models</i> Prof. Roberto Maroldi - Prof. Alberto Deganello, Prof. Alberto Signoroni
11:00 AM		Riccardo MONFRINI <i>Integrated Approaches based on Human Movement Analysis to support Functional Evaluation of Subjects with Neuro-Muscular-Skeletal Disorders</i> Prof. Nicola Francesco Lopomo - Prof. Veronica Cimolin



11:10 AM



Simone PANCERA

A novel quantitative technological approach to muscle and exercise dysfunction in the clinical rehabilitation practice of patients with chronic respiratory diseases

Prof. Nicola Francesco Lopomo - Prof. Maria Chiara Carrozza

11:20 AM



Elena ROCA

Robotics applied to cranial surgery: development and innovation of novel technologies for different neurosurgical scenarios

Prof. Francesco Doglietto - Prof. Giorgio Ramorino

11:30 AM



Michele SHIAVO

Automatic control of general anesthesia: new clinical developments and experiments

Prof. Prof. Antonio Visioli, Prof. Nicola Latronico