

## Fondi di Ricerca di Ateneo - Università di Genova

### SEED Projects

#### SEED 2019 (selected in 2020)

- *"EDURELL: EduResource knowledge graph extraction and in-context support to learners"*  
PI Ilaria Torre, Co-PI Mauro Coccoli, Fulvio Mastrogiovanni
- *"DOC-NET: Distributed optimization for smart city networks"*  
PI Michela Robba, co-PI: Michele Aicardi, Riccardo Minciardi
- *"MEUS: Management of Emergencies through Ubiquitous Sensing"*  
PI Antonio Sgorbissa, co-PI Massimo Maresca, Pierpaolo Baglietto

#### SEED 2018. (selected in 2019)

- *"ReDesign: Responsibility, by Design"*  
PI Stefano Rovetta, co-PI Barbara Catania, Francesco Masulli
- *"OBIWAN: Interaction with OBjects and Interaction With humAns: from neural correlates to partner models and Neuroergonomics"*  
PI Vittorio Sanguineti, co-PI Marco Baglietto, Silvio Paolo Sabatini
- *"MOREorLESS: Learning to analyse human motion with a markerless approach"*  
PI Francesca Odone, co-PI Maura Casadio, Annalisa Barla
- *"PEPSI: Pediatric EpilePsy Study by Imaging"*  
PI Marco Massimo Fato, co-PI Patrizia Boccacci, Andrea Canessa

#### SEED 2017

- *"Coding Open Lab: Boosting Computational Thinking with Pervasive and Collaborative Technologies"*  
PI Giorgio Delzanno, co-PI: Giovanna Guerrini, Viviana Mascardi
- *"NatDroid "*  
PI Alessio Merlo, co-PI Alessandro Armando, Davide Anguita
- *"Testing and run-time verification meet machine learning"*  
PI Filippo Ricca, co-PI Davide Ancona, Nicoletta Noceti
- *"3DNeuro: 3-Dimensional engineered neuronal assemblies coupled to 3D Micro-Electrode Arrays: an in vitro system to study ablation effects on epileptic network activity"*  
PI Paolo Massobrio, co-PI Laura Pastorino, Gabriele Arnulfo

#### SEED 2016

- *"Human-Aware Babblers: Interactive, Talkative and Assistive Technology"*  
PI Fulvio Mastrogiovanni, co-PI Francesca Odone, Fabio Solari
- *"Optimization and control of interacting complex networks: the case of electrical vehicles' routing problem in smart grids"*  
PI Michela Robba, co-PI Massimo Paolucci, Riccardo Minciardi

- *"Unbounded data streams learning: Unsupervised methods and their application"*  
PI Stefano Rovetta, co-PI Francesco Masulli, Marina Ribaudò
- *"SOft micro-manufacturing Technologies for Bioengineering and Robotics Applications"*  
PI Giorgio Cannata, co-PI Sergio Martinoia, Roberto Raiteri

#### SEED 2015

- *"Full Stack Quality for the Internet of Things"*  
PI Filippo Ricca, co-PI Giorgio Delzanno, Davide Ancona  
*"Machine Learning & Data Mining for Education: Students Dropout Prediction at University of Genoa"*  
PI Luca Oneto, co-PI Giovanna Guerrini, Lorenzo Rosasco  
*"Detection of High Frequency Oscillations in Stereo-Electroencephalography with Sparse and Adaptive Dictionary Learning"*  
PI Annalisa Barla, co-PI Marco Fato, Massimo Narizzano

#### SEED 2014

- *" A multidisciplinary platform for the identification of pathogenetic pathways, symptoms, and treatments of Multiple Sclerosis "*  
PI: Maura Casadio, Participants: Paolo Massobrio, Laura Pastorino
- *"SUPERMAN: soft and unconventional objects..."*  
PI Fulvio Mastrogionanni, Participants: Baglietto, Cannata, Casalino, Turetta, Zaccaria, ...
- *"Certificazione di dispositivi mobili per BYOD"*  
PI: Alessio Merlo, Participants: Armando, Costa
- *" Human-human interaction: from cooperative sensorimotor control to temporal and affective entrainment"*  
PI: Gualtiero Volpe, Participants: Camurri Antonio, Sanguineti Vittorio, Sanguineti Marcello