

PERSONAL INFORMATION

Francesco Meoni



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-  [www.bi-rex.it](http://www.bi-rex.it)

Male | ..... | IT

Enterprise	University	EPR
<input type="checkbox"/> Management Level	<input type="checkbox"/> Full professor	<input type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist / Principal Investigator
<input checked="" type="checkbox"/> Mid-Management Level	<input type="checkbox"/> Associate Professor	<input type="checkbox"/> Level III Researcher and Technologist
<input type="checkbox"/> Employee / worker level	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

- 2019 – ongoing **Head of Pilot Line**  
 Bi-rex, Bologna | July 2019 – ongoing

  - Responsible of the coordination of technical and management operation of the pilot line from the set-up to full capacity
  - Coordination and management of research projects within the pilot line
  - implementation of prototypes;
  - Technology implementation and transfer between partner, SMEs and universities;
  - Provision of education and training of Pilot line technologies, and use cases implemented within BI-REX smart factory.
  - Relations management with companies, Universities, researchers.
  
- 2018 – 2019 **Postdoctoral – Research Fellow**  
 Ima Group, Ozzano (BO) | September 2018 – June 2019  
 Post-doc research fellowship with the University of Bologna  
 Topics developed:

  - design and development of robotic and reconfigurable cells;
  - implementation of mobile and collaborative robotics for industrial applications
  
- 2014 – 2019 **Teaching Assistant**  
 University of Bologna | March 2014 – June 2019

  - Didactic tutor of the mechanical course of machines M, master's degree course in mechanical engineering.  
 Teaching areas: implementation of kinematic and dynamic models on Matlab software.  
 Lectures and exercises in the computer lab.
  
- 2017 – 2018 **Postdoctoral Research Fellow**  
 University of Bologna  
 Research field: Modeling, optimal design of servo-controlled automatic machines. Development of optimization procedures for the choice of components, with a focus on energy efficiency.
  
- 2012 - 2013 **Contract Researcher**  
 University of Bologna  
 Functional design of a fully electric servo press for sheet metal forming, made by Gigant Industries as part of the DEFCOM-Competitiveness for deformation-INDUSTRY 2015 project.

## EDUCATION AND TRAINING

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- 2014-2017 **Doctor of Philosophy – PhD | Mechanics and Advanced Engineering Sciences**  
University of Bologna
- 2009 - 2012 **Master’s Degree in Mechanics Engineering**  
University of Bologna
- 2006 - 2009 **Bachelor’s Degree in Computer Engineering**  
University of Bologna

## WORK ACTIVITIES

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- Grants **Scholarship for thesis abroad – Undergraduated Student Researcher (2011-2012)**  
"Institut de robotica i informatica industrial" in Barcelona.  
Theme: study of flexible and reconfigurable surfaces.

## PERSONAL SKILLS

- Mother tongue(s) Italian
- Other language(s) English C1
- Job-related skills Team Leading, Time management, Project management, Adaptability, Result orientation, public speaking, Team working.
- Digital skills Proficiency with CAD and simulation software (Creo). Excellent knowledge and proficiency with Matlab /Simulink modelling and simulating suite. Basic knowledge of programming (C, Java).  
Industrial IoT: data gathering (OPC/UA, Modbus, MQTT); data visualization with Grafana and IoT Platform (Siemens Mindsphere); data mining with CRISP methodologies  
Knowledge of 4G/5G fundamentals and experience with a 4G/ 5G private cell

## ADDITIONAL INFORMATION

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- Projects **EuroHPC-RIA, “National Competence Centres in the framework of EuroHPC – EUROCC”.**  
The project aims at bringing together the necessary expertise to set up a network of National Competence Centres in HPC across Europe in 31 participating, member and associated states, to provide a broad service portfolio tailored to the respective national needs of industry, academia and public administrations. BI-REX role within this project is to help companies and especially SMEs to become fully aware of the potential and benefits of HPC and HPDA technologies and get familiar with technology transfer measures and funding initiatives towards innovation through those technologies.

*According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV*