



FIRST EDITION PROGRAM - first part

Promoted by: Alma Mater Studiorum Università di Bologna



Academic Students

	9:00 - 12:00	15:00 - 18:00
30/04/2022 (6h)	Luca Foschini <i>Course Presentation</i>	Paolo Bellavista <i>Introduction to Digital Twinning in I40</i>
07/05/2022 (6h)	Elisabetta Bracci <i>Smart services and smart buildings as a strategic booster in Industry 4.0</i>	Filippo Bosi <i>Enterprise Architecture Distilled: linking theory to practice</i>
08/05/2022 (3h)	Mattia Gallegati <i>MLOps: techniques and technologies for enterprise grade Machine Learning</i>	
14/05/2022 (6h)	Alessandro Chiarini <i>Behind the Scenes of modern IT Platforms: the Cloud Native Model and its Building Blocks</i>	Andrea Sabbioni <i>Introduction to FaaS and DevOps for FaaS</i>
15/05/2022 (3h)	Marco Mazzoni <i>Leveraging Blockchain technologies in enterprise-grade projects</i>	
21/05/2022 (3h)	Francesco Meoni <i>Introduction to robotics for Industry 4.0</i>	
22/05/2022 (3h)	Roberto di Leva <i>Hands-on robotics for Industry 4.0</i>	



Worker Students

	9:00 - 12:00	15:00 - 18:00
30/04/2022 (6h)	Luca Foschini <i>Course Presentation</i>	Antonio Corradi <i>Introduction to Cloud Models</i>
07/05/2022 (6h)	Giuseppe Di Modica <i>Containerization and orchestration for I4.0</i>	Riccardo Venanzi <i>Big data platforms for Industry 4.0</i>
08/05/2022 (3h)	Lorenzo Rosa <i>Hands-on big data platforms: MongoDB, Spark and Spark Streaming</i>	
14/05/2022 (6h)	Elena Bellodi <i>Machine Learning and Data Mining Fundamentals</i>	Armir Bujari <i>Introduction to Industry 4.0 & Standards</i>
15/05/2022 (3h)	Riccardo Zese <i>Approaching Deep Learning</i>	
21/05/2022 (3h)	Roberto di Leva <i>Introduction to robotics for Industry 4.0 for worker students</i>	
22/05/2022 (3h)	Nicolò Romandini <i>Introduction to Blockchain</i>	

FIRST EDITION PROGRAM - second part

Promoted by: Alma Mater Studiorum Università di Bologna



Executive Master (Worker & Academic students)

	9:00 - 12:00	15:00 - 18:00
28/05/2022 (6h)	Ann-Louise Andersen <i>Mass Customization: Concept, Capabilities, and Cases</i>	Team Work
29/05/2022 (3h)	Marco Mazzoni <i>Leveraging Blockchain technologies in enterprise-grade projects</i>	
04/06/2022 (6h)	Team Work	Cristian Borcea <i>Cloud Services for Mobile, IoT, and Edge Computing</i>
05/06/2022 (3h)	Mauro Tortonesi <i>Big Data in the Packaging Valley - R&D Initiatives to Support Industry 4.0 from Shop Floor to Smart Product</i>	
11/06/2022 (6h)	Angelo Corsaro <i>Architecture and Technologies for Industrial Internet of Things</i>	Team Work
12/06/2022 (3h)	Michele Danieli <i>Being an Architect in the Enterprise: a field manual</i>	
18/06/2022 (6h)	Kamal Medjaher <i>Condition monitoring, fault detection & diagnostics</i>	Team Work



Executive Master (Worker & Academic students)

	9:00 - 12:00	15:00 - 18:00
19/06/2022 (3h)	Piero Quaroni <i>Industrialization of AI-based systems</i>	
25/06/2022 (6h)	Team work	Michael Condry <i>Technology Trends and Business Opportunities in eHealth Driven by Industry 4.0</i>
26/06/2022 (3h)	Davide Poggiali - FarNetworks <i>LARA IoT experience in Azure</i>	
02/07/2022 (6h)	Shaofang Gong <i>Wireless data communication protocols at physical/data link/network layers related to Industry 4.0</i>	Team Work
03/07/2022 (3h)	Marcello Cinque <i>Real-time and Safety Critical System for Industry 4.0</i>	
09/07/2022 (6h)	Team work	Ken Birman <i>Enabling Machine Intelligence in Industrial Settings</i>
10/07/2022 (3h)	Riccardo Venanzi <i>Industrial IoT: Platforms, Experiences, and Hands-On</i>	
16/07/2022 (6h)	Matteo Saveriano <i>Programming by Demonstration of Robotic Skills</i>	Team work
17/07/2022 (3h)	Alessandro Chiarini <i>NODE-RED as a low code platform for fast prototyping IOT applications: Experiences and Hands-On</i>	



Executive Master (Worker & Academic students)

	9:00 - 12:00	15:00 - 18:00
23/07/2022 (6h)	Fabio Pierazzi <i>Machine Learning for Analysis and Detection of Cyberattacks in Industry 4.0</i>	Team work
24/07/2022 (3h)	Michele Girolami <i>Indoor localization and proximity detection for Industry 4.0</i>	
30/07/2022 (6h)	Team work	Flavio Bonomi <i>Industrial networking and the (R)evolution</i>
31/07/2022 (3h)	Stefano Chessa <i>IoT & AI: Practical Use Cases</i>	