



## Third EDITION PROGRAM - First part

Promoted by: Università degli Studi di Modena e Reggio Emilia



### Academic Curriculum

20/10/2023	15:00 - 16:00	<b>Mirco Marchetti</b> <i>Course presentation</i>
20/10/2023	16:00 - 19:00	<b>Carlo Augusto Grazia</b> <i>Field bus for Industry 4.0</i>
21/10/2023	15:00 - 19:00	<b>Riccardo Lancellotti</b> <i>Cloud and edge computing in connected industry</i>
27/10/2023	14:00 - 18:00	<b>Francesco Faenza</b> <i>Introduction to Additive Manufacturing</i>
28/10/2023	9:00 - 13:00	<b>Filip Valgimigli</b> <i>Introduction to radio-frequency communications for industrial applications</i>
03/11/2023	14:30 - 18:30	<b>Paolo Burgio</b> <i>Introduction to industrial computing</i>
04/11/2023	9:00 - 13:00	<b>Luca Bedogni</b> <i>Introduction to Internet of Things</i>



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### Worker Curriculum

20/10/2023	15:00 - 16:00	<b>Mirco Marchetti</b> <i>Course presentation</i>
20/10/2023	16:00 - 19:00	<b>Francesco Faenza</b> <i>Introduction to programming</i>
21/10/2023	09:00 - 13:00	<b>Francesco Faenza</b> <i>Introduction to programming</i>
27/10/2023	14:00 - 18:00	<b>Mauro Andreolini</b> <i>Introduction to Operating Systems</i>
28/10/2023	09:00 - 13:00	<b>Mauro Andreolini</b> <i>Introduction to Operating Systems</i>
03/11/2023	09:00 - 13:00	<b>Andrea Venturi</b> <i>Introduction to Artificial Intelligence</i>
04/11/2023	09:00 - 13:00	<b>Giovanni Gambigliani Zoccoli</b> <i>Introduction to computer networks</i>



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### Common Curriculum

10/11/2023	10:00 - 13:00	<b>Pal Varga</b> <i>Industry 4.0 - From the basics to dynamic supply chains driven by smart contracts</i>
10/11/2023	14:00 - 18:00	<b>Marco Picone</b> <i>Digital Twins for Industry 4.0</i>
11/11/2023	14:00 - 17:00	<b>Fabio Pierazzi</b> <i>Security of Machine Learning for IIoT Attack Detection in Industry 4.0</i>
11/11/2023	09:00 - 13:00	<b>Luca Ferretti</b> <i>Securing industrial communications through cryptography</i>
17/11/2023	09:00 - 13:00	<b>Mirco Marchetti</b> <i>Introduction to cybersecurity and vulnerabilities of web interfaces</i>
17/11/2023	15:00 - 18:00	<b>Miguel Pardal</b> <i>Secure localization for Industry 4.0 and supply chains</i>
18/11/2023	09:00 - 13:00	<b>Martin Klapez</b> <i>Applications of 4G and 5G communication technologies to Smart Industry</i>
18/11/2023	14:00 - 18:00	<b>Mirco Marchetti</b> <i>Vulnerabilities of web interfaces</i>



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### Common Curriculum

24/11/2023	10:00 - 13:00	<b>Miguel Correia</b> <i>Intrusion Tolerance for Industry 4.0</i>
24/11/2023	14:00 - 18:00	<b>Mauro Andreolini</b> <i>Attacking systems and applications (I)</i>
25/11/2023	9:00 - 13:00	<b>Mauro Andreolini</b> <i>Attacking systems and applications (II)</i>
25/11/2023	15:00 - 18:00	<b>Nilufer Tupuk</b> <i>Future trends and challenges in CPS Security</i>
01/12/2023	9:00 - 13:00	<b>Silvio Defanti</b> <i>Additive Manufacturing for Smart Industry</i>
01/12/2023	14:00 - 18:00	<b>Roberto Vezzani</b> <i>3D cameras and sensors for Industry 4.0</i>
02/12/2023	10:00 - 13:00	<b>Francesco Pollicino</b> <i>Securing critical infrastructures: unraveling ICS networks and analyzing attackers techniques</i>
02/12/2023	15:00 - 19:00	<b>Riccardo Lancellotti</b> <i>Prototyping connected devices through cloud technologies</i>



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### Common Curriculum

15/12/2023	10:00 - 13:00	<b>Lorenzo Cavallaro</b> <i>Machine Learning for security in the IIoT ecosystem</i>
15/12/2023	15:00 - 18:00	<b>Nuno Santos</b> <i>Securing Industry 4.0 with Arm TrustZone and Trusted Execution Environments</i>
16/12/2023	10:00 - 13:00	<b>Anna Maria Mandalari</b> <i>Benchmarking IIoT devices: enhancing privacy and security in a connected world</i>
22/12/2023	10:00 - 13:00	<b>Giovanni Apruzzese</b> <i>Performance assessment of Machine Learning for Industrial Network Security</i>
22/12/2023	14:00 - 18:00	<b>Mirco Marchetti</b> <i>Final project presentations</i>