

SERVIZI BI-REX ++

TRAINING ACTIVITIES

TRAINING						
Legenda - EC: Executive course; EL: E-learning; PH: Phygital; HPCB: HPC and Big Data; CS: Cyber Security; A4.0: Advanced 4.0; AI: Artificial Intelligence; FI: Finance						
Organ. Name	Type	Scope	Subject	Days	N. of Attend.	N. of Edit.
Bi-Rex	EC	A4.0	Introduction to Industry 4.0 technologies	4	12	6
Bi-Rex	EC	A4.0	Digitalization of industrial processes	4	12	3
Bi-Rex	EC	A4.0	AM -Tecnologies and workflow for sustainability	4	12	2
Bi-Rex	EC	A4.0	Predictive maintenance of machines and plant for sustainability	4	12	2
Bi-Rex	EC	A4.0	Introduction of COBOT in the manufacturing process	4	12	2
Bi-Rex	EC	A4.0	Digital revamping of industrial plants for sustainability	4	12	3
Bi-Rex	EL	A4.0	Applications of 5G technologies for sustainable manufacturing	4	12	2
Bi-Rex	EL	A4.0	5G architectures and services	4	12	2
Bi-Rex	EL	CS	Cyber Security awareness	4	12	2
UNIBO	EC	CS	Cyber Security: protection of industrial system and services	4	12	3
UNIBO	EC	AI	Machine Learning e Deep Learning for sustainability	4	12	3
UNIBO	EC	HPCB	Infrastructures and applications of Big Data for Digital Twinning	4	12	3
UNIBO	EC	A4.0	Blockchain infrastructures for manufacturing production chain	4	12	3
UNIBO	EC	A4.0	Industrial applications of IoT for a sustainable manufacturing	4	12	3
UNIBO	EC	HPCB	Quantum Technologies and services	4	12	3
UNIBO	EC	AI	Artificial Intelligence applications for manufacturing	4	12	3
UNIBO	EC	A4.0	Augmented & Virtual Reality	4	12	2
UNIBO	EC	A4.0	MES solution for industry 4.0	4	12	2
EITM	EL	A4.0	Digital Transformation	4	12	2
EITM	EL	AI	AI for blue collars and manager	4	12	2
EITM	EL	A4.0	Additive manufacturing for Industry 4.0	4	12	1
EITM	EL	A4.0	Collaborative robotics for SMEs - Digital Twins for Robots adaptation	4	12	1
EITM	EL	A4.0	Digital Twins IIoT applications	4	12	1
EITM	EL	HPCB	Cloud Computing, Data & Industrial IoT	4	12	1
EITM	EL	HPCB	Data Analytics, Programming, Vision, AI	4	12	2
CINECA	PH	HPCB	HPC/HPDA/AI in the enterprise, Impact on IT-OT, Big Data analytics	4	12	5
CINECA	PH	HPCB	HPC & Cloud computing based services	4	12	5
CINECA	PH	HPCB	HPC-Applied AI ML pre-trained models, NLP, Semantic Retrieval, Vision & GAN.	4	12	5
CINECA	PH	A4.0	Digital Twin, engineering Simulation.	4	12	5
CINECA	PH	HPCB	HPC & porting optimization, intranode-multinode parallel. & scalab.	4	12	5
CINECA	PH	HPCB	SW stack containerization 4 HPC (edge)	4	12	5
CINECA	PH	HPCB	OpenFOAM & open-source for SME	4	12	5
CINECA	PH	HPCB	HPC CODING	4	12	5
CINECA	PH	HPCB	PYTHON scripts for HPC	4	12	5
CINI	PH/EL	HPCB	Design of deep learning accelerators targeting FPGAs	4	12	1
CINI	PH/EL	HPCB	FPGA design of post-quantum cryptographic primitives for HPC	4	12	1
CINI	PH/EL	HPCB	Functional verification of complex digital hardware platforms using SystemVerilog	4	12	1
CINI	PH/EL	HPCB	Advanced functional verification of complex digital hardware platforms using UVM	4	12	1
CINI	PH/EL	HPCB	Data analysis and machine learning using Python	4	12	1
CINI	PH/EL	HPCB	Introduction to High-Performance Data Analytics	4	12	1
CINI	PH/EL	HPCB	Introduction to parallel programming on many-multi core architectures	4	12	1

CINI	PH/EL	HPCB	Introduction to the Power/Energy management for Hw/Sw systems for embedded application	4	12	1
CINI	PH/EL	HPCB	Introduction to Quantum Computing	4	12	1
CINI	PH/EL	HPCB	High Performance Programming in C++ for industrial application	4	12	1
ATOS	PH/EL	HPCB	Data Analytics and business computing	4	12	2
ATOS	PH/EL	AI	AI and Edge computing	4	12	1
ATOS	PH/EL	HPCB	Cloud applications and transformation	4	12	2
ISP	PH/EL	FI	Circular economy for companies	4	12	2
ISP	EL	FI	How To Present A Business Plan	4	12	2
ISP	EL	FI	Public funds for businesses	4	12	2
					Total	125