

Seasonal School (3rd edition) on
Pervasive ARTificial Intelligence for
Next-G Softwarized neTworks (ARTIST)

	Mon, 3/6/2024	Tue, 4/6/2024	Wed, 5/6/2026	Thu, 6/6/2024	Fri, 7/6/2024
Venue	TECIP (BLUE Room)	TECIP (BLUE Room)	TECIP (BLUE Room)	TECIP (BLUE Room)	TECIP (Laboratories, 1 st floor)
Session Name	Cellular architectures	Networking Technologies	Network softwarization Technologies	Network softwarization Technologies	5G Services and AI
09:00-10:00	Welcome and School program (Prof. Castoldi, Prof. Valcarenghi)	SDN/NFV programmable networks (Dr. Molka Gharbaoui)	Zero-touch-5G Networks (Prof. Valcarenghi)	EU project (Prof. Luca Valcarenghi)	5G services, based on eMBB/ULLRC/mMTC (Dr. Molka Gharbaoui)
10:00-11:00	Cellular and wireless architecture (Prof. Castoldi)	SDN/NFV programmable networks (Dr. Molka Gharbaoui)	Zero-touch-5G Networks (Prof. Valcarenghi)	EU project (Dr. Filippo Cugini)	5G services, based on eMBB/ULLRC/mMTC (Dr. Molka Gharbaoui)
11:00-12:00	Cellular and wireless architecture (Prof. Castoldi)	P4-based traffic conditioning (Dr. Filippo Cugini)	Network Telemetry (Dr. Sgambelluri)	Fanet SDN (Ing. Domenico Uomo)	e-health and Telemedicine (Dr. Anna Lina Ruscellii)
12:00-13:00	Cellular and wireless architecture (Prof. Castoldi)	Disaggregated Optical Networks (Dr. Filippo Cugini)	Network Telemetry (Dr. Sgambelluri)	Telecom technologies enabling railway applications (Dr. G. Cecchetti)	e-health and Telemedicine (Dr. Sujit Kumar Sahui)
13:00-14:00	Lunch	Lunch	Lunch	Lunch	Lunch
Venue	TECIP (Blu Room)	TECIP (Blu Room and Lab)	TECIP (Blue Room and Lab)	TECIP (Blue Room and Lab)	TECIP (Blu Room and Lab)
Session Name	5G architecture and transport	Hands-on session	Hands-on session	Hands-on session	Hands-on session
14:00-15:00	5G Standards and evolution (Prof. Valcarenghi)	Hands-on session (Topic: P4) Supervisors: Dr. Filippo Cugini, Dr. Sgambelluri, L. Ismail	Hands-on session (Topic: Telemetry) Supervisors: Dr. Sgambelluri, A. Pacini	Hands-on session (Topic: VLC) Supervisor: Dr. G. Cossu	Hands-on session (Topic: AI) Supervisors: Prof. Valcarenghi, Dr. Sgambelluri, E. Paolini
15:00-16:00	5G Standards and evolution (Prof. Valcarenghi)	Hands-on session (Topic: P4) Supervisors: Dr. Filippo Cugini, Dr. Sgambelluri, L. Ismail	Hands-on session (Topic: Telemetry) Supervisors: Dr. Sgambelluri, A. Pacini	Hands-on session (Topic: VLC) Supervisor: Dr. G. Cossu	Hands-on session (Topic: AI) Supervisors: Prof. Valcarenghi, Dr. Sgambelluri, E. Paolini
16:00-17:00	Backhaul optical networking (Prof. Valcarenghi)	Hands-on session (Topic: P4) Supervisors: Dr. Filippo Cugini, Dr. Sgambelluri, L. Ismail	Hands-on session (Topic: Telemetry) Supervisors: Dr. Sgambelluri, A. Pacini	Hands-on session (Topic: VLC) Supervisor: Dr. G. Cossu	Hands-on session (Topic: AI) Supervisors: Prof. Valcarenghi, Dr. Sgambelluri, E. Paolini
17:00-18:00	Backhaul optical networking (Prof. Valcarenghi)	Hands-on session (Topic: P4) Supervisors: Dr. Filippo Cugini, Dr. Sgambelluri, L. Ismail	Hands-on session (Topic: Telemetry) Supervisors: Dr. Sgambelluri, A. Pacini	Hands-on session (Topic: VLC) Supervisor: Dr. G. Cossu	Hands-on Closing remarks Prof. P. Castoldi Prof. Luca Valcarenghi
Evening	<i>Get-together</i>				

The Final Exam will be based on reports on hands-on session and lectures and it will be taken after one week.