

AIT2025 detailed program

	Sunday 19	Monday 20	Tuesday 21	Wednesday 22	Thursday 23	Friday 24	Saturday 25
		L. Pavesi	L. Pavesi	L. Pavesi	L. Pavesi	P. Bienstman	L. Pavesi
9.00		ML Intro Basic, till deep A.Ceni	TLC, optical fiber dispersion and nonlinearity S. Turitsyn	TLC distortion compensation V. Curri	Aspects of time delay reservoir computing A. Argyris	Aspects of time delay reservoir computing A. Argyris	Photonic accelerator for TLC N. Pleros
10.00		TLC evolution - Network P.Boffi	ML state of the art - Advanced methods, conv., gan, transformers... C.Gallicchio	Electronics-based neuromorphic computing Y. Sandamirskaya	ML for DSP on optical fibers - electronics/software S. Sygletos	ML for DSP on optical fibers - electronics/software S. Sygletos	Photonic reservoir P.Bienstman
11.00		Break	Break	Break	Break	Break	Break
11.30		TLC evolution-Data Center N. Calabretta	TLC Transciever - Coherent J. Bauwelinck	Hiking Excursion with Packed lunch	Photonic accelerator for TLC N. Pleros	Phase change materials for AI F. Pavanello	MRR matrices A. Lugnan
12.30		Free Time	Free Time		Free Time	Free Time	Closing remarks
16.00		Welcome and opening	Break		Break	15:30-16:30 C presentation I. Estebanez	Break
	P. Bienstman		P. Bienstman	P. Bienstman	L. Pavesi		
16.30	TLC evolution - Network P.Boffi	TLC, optical fiber dispersion and nonlinearity S. Turitsyn	TLC distortion compensation V. Curri	Photonic reservoir A. Bogris	Photonic reservoir P.Bienstman		
17.30	TLC evolution-Data Center N. Calabretta	ML state of the art - Advanced methods, conv., gan, transformers... C.Gallicchio	Neuromorphic photonics - general A. Hurtado	Perceptron E. Staffoli	Perceptron E. Staffoli		
18.30	ML Intro Basic, till deep A.Ceni	TLC Transciever - Coherent J. Bauwelinck	Electronics-based neuromorphic computing Y. Sandamirskaya	Neuromorphic photonics - general A. Hurtado	Phase change materials for AI F. Pavanello	Photonic reservoir A. Bogris	
19.30	Dinner	Dinner	Dinner	Dinner	Social Dinner	Dinner	
21.00	SPIE event	NonHermitian Photonics S. Biasi	Poster Session	Electronics vs Photonics		Killer Application for AI photonics	
22.30	Sleep						