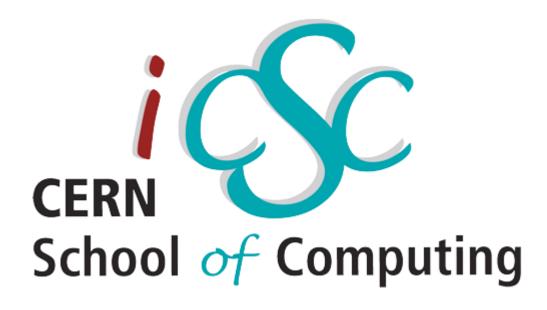
Closing remarks



15th Inverted CERN School of Computing

15 - 18 April 2024

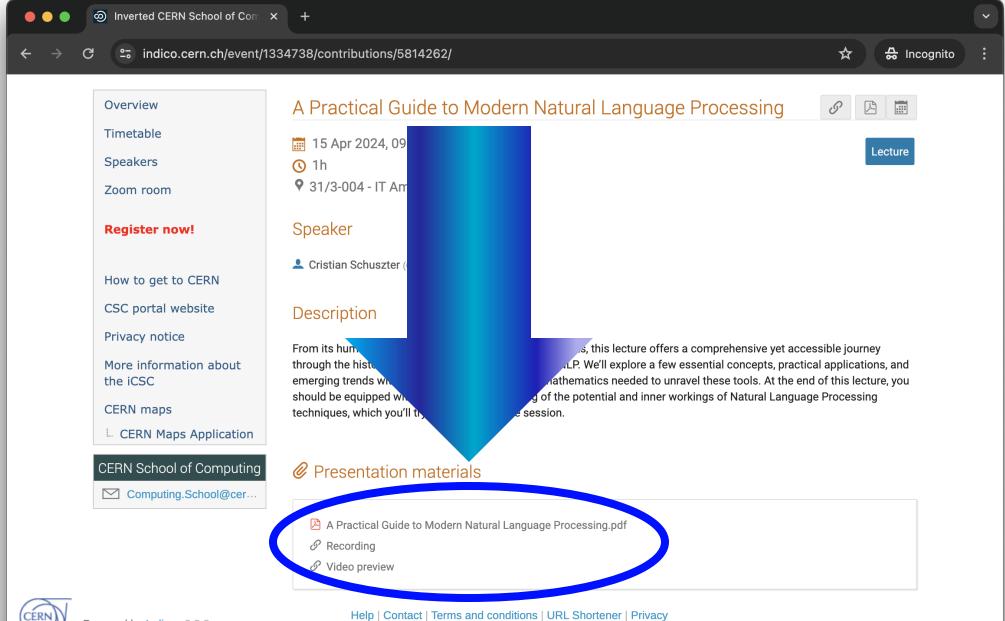
CERN, Geneva, Switzerland



Inverted CERN School of Computing 2024

	Monday, 15 April 2024		Tuesday, 16 April 2024		Wednesday, 17 April 2024		Thursday, 18 April 2024
09:00 09:20	Opening ceremony A Practical Guide to Modern Natural Language Processing - Cristian Schuszter (CERN)	09:00	The perfectly parallel program: Architectures for hardware acceleration and heterogeneous computing (1/2) The perfectly parallel program: Design	09:00	Computer Networks in HEP (1/2) - Spyridon Trigazis (CERN) Computer Networks in HEP (2/2) - Spyridon	09:00	Intro into Networking for HPC - Vlad-Andrei Badolu (University Politehnica of Bucharest)
0:20	Coffee Break		philosophy for parallel programming (2/2) -	(5)5556	Trigazis (CERN)	10:05	IPv6. Are we there yet? - Vlad Nastase (University POLITEHNICA Bucharest)
0:45	Functional programming (and why it's relevant for HEP computing) - Florine de Geus (CERN/University of Twente (NL))	11:00	Zenny Wettersten (CERN) Coffee Break Unraveling Grid Computing: From Basics to		Exceptionally IT Amphi	11:30	Exercise: The perfectly parallel program -
1:50	From Text to Threads: Large Language Models and their impact on the HEP		WLCG - Robin Hofsaess (KIT - Karlsruhe Institute of Technology (DE))		IT Amphi		Zenny Wettersten (CERN)
2:50	Lunch	12:30	Lunch	12:30	Lunch	12:30	Lunch
4:00	GPU Programming Made Easy with CuPy	13:45	Exercise: Functional programming (and why it's relevant for HEP computing) (1/2)	13:45	Advanced git course: How to git good! (1/2) - Simone Rossi Tisbeni (Universita e INFN, Bologna (IT))	13:45	Exercise: Computer Networks in HEP - Spyridon Trigazis (CERN)
		14:45	Exercise: Functional programming (and why	14:45	Advanced git course: How to git good! (2/2) -	14:45	Coffee Break
15:05	Why do machines learn? Introduction to fundamentals and common misconceptions in ML		it's relevant for HEP computing) (2/2)		Simone Rossi Tisbeni (Universita e INFN, Bologna (IT))		Exercise: Advanced git course: How to git good! - Simone Rossi Tisbeni (Universita e INFN, Bologna (IT))
		15:45	Coffee Break	15:45	Coffee Break		
6:05	Coffee Break	16:15	Exercise: Unraveling Grid Computing: From Basics to WLCG	16:15	Exercise: Generative Machine Learning In HEP: Simulation and beyond	_	
6:30	Exercise: A Practical Guide to Modern Natural Language Processing - Cristian						

Schuszter (CERN)



Thank you to our lecturers!





Bernardo Abreu Figueiredo Karlsruhe HKA



Pratik Jawahar University of Manchester



Spyridon Trigazis CERN



Vlad-Andrei Badoiu University Politehnica Bucharest



Vlad Nastase University Politehnica Bucharest



Andrea Valenzuela Ramirez CERN



Florine de Geus CERN



Simone Rossi Tisbeni Universita e INFN Bologna



Francesco Vaselli Scuola Normale Superiore INFN, Pisa



Robin Hofsaess KIT



Cristian Schuszter CERN



Zenny Jovi Joestar Wettersten CERN





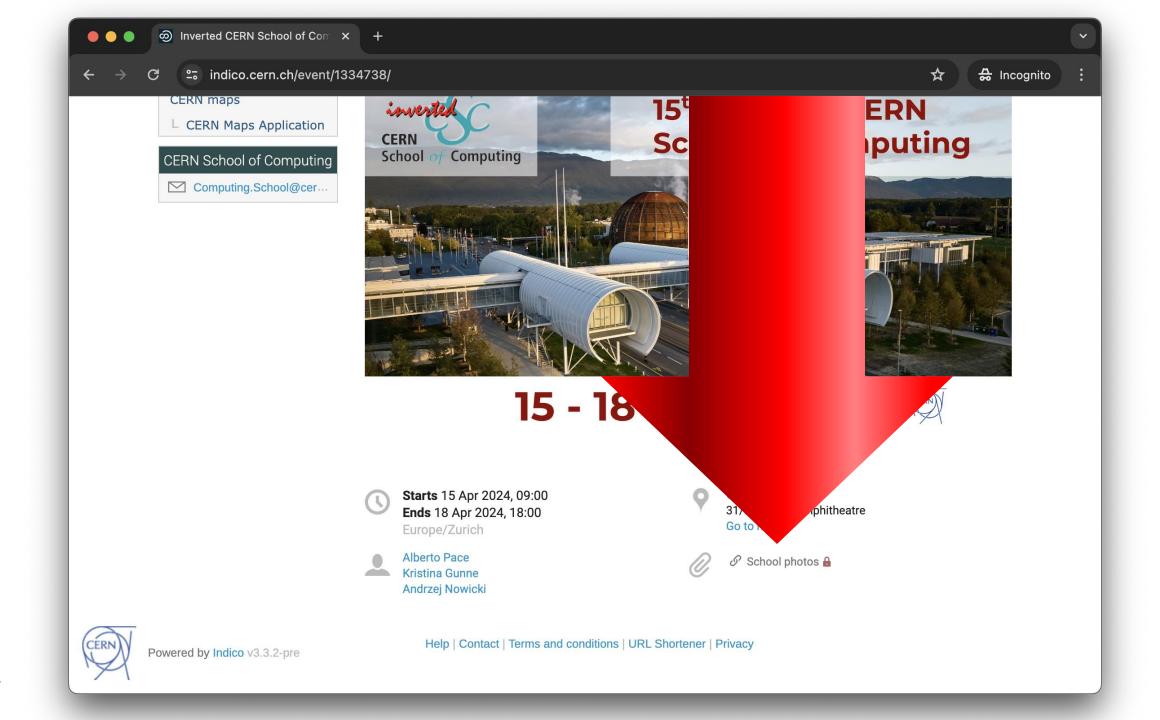
- This year's mentors:
 - Andrei Gheata
 - Stephan Hageboeck
 - Pere Mato
 - Alberto Pace
 - Danilo Piparo
 - Sebastien Ponce
 - Toni Sculac
 - Are Strandlie
 - Sofia Vallecorsa

exercise.ipynb



ne data. We are going to use just a subset of the features to reduce the complexity of the problem, and load 1M jets to ralidation/test. We are going to plot some histograms of the features to better understand what we are talking about.

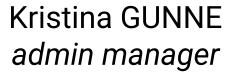






This school was brought to you by...







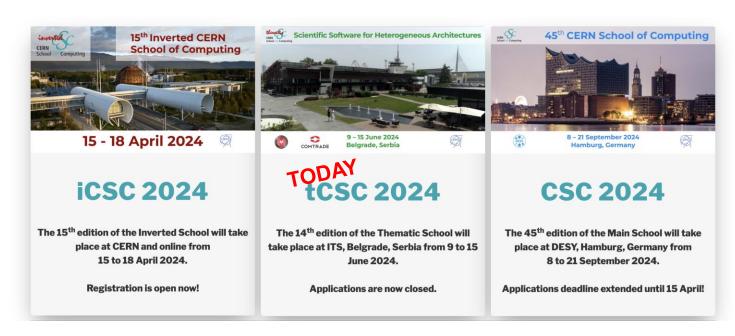
Alberto PACE the director



Andrzej NOWICKI tech manager



See you at the next schools!







sCSC on Security?

Postponed to early 2025

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0:20	Coffee Break		philosophy for parallel programming (2/2) -		Trigazis (CERN)		(University POLITEHNICA Bucharest)
0:45	Functional programming (and why it's relevant for HEP computing) - Floring de	11:00	Zenny Wettersten (CERN) Coffee Break	11:00	Coffee Break	11:05	Coffee Break
1:50	Geus (CERN/University of Twente (NL)) From Text to Threads: Large Language Models and their impact on the HEP	11:30	Unraveling Grid Computing: From Basics to WLCG - Robin Hofsaess (KIT - Karlsruhe Institute of Technology (DE))	11:30	Generative Machine Learning in HEP: Simulation and beyond	11:30	Exercise: The perfectly parallel program - Zenny Wettersten (CERN)
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		15:45	Coffee Break	15:45	Coffee Break		good! - Simone Rossi Tisbeni (Universita e
6:05	Coffee Break	CHARLESON I		DOCUMENTS.			INFN, Bologna (IT))
6:30	Exercise: A Practical Guide to Modern	16:15	Exercise: Unraveling Grid Computing: From Basics to WLCG	16:15	Exercise: Generative Machine Learning in HEP: Simulation and beyond		

Natural Language Processing - Cristian

Schuszter (CERN)