# 2024 Kratos Multiphysics WORKSHOP @ UNIPD

Antonia Larese University of Padova (Italy)

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November 6-8, 2024

#### SCHEDULE: KRATOS WORKSHOP DAY 1

Time	Description	
14:00 - 14:30	Welcome	
	Introduction to Kratos	
14:30 - 15:15	Kratos. Why? What? How? An Historical Perspective (Riccardo Rossi)	
15:15 - 16:00	Kratos: an Overview (Pooyan Dadvand)	
16:00 - 16:30	Coffee Break	
	Kratos 4 Industry	
14:30 - 15:15	Collaboration with Industry in Germany (Suneth Warnakulasuriya)	
15:15 - 16:00	Deltares (Jonathan Nuttall)	
15:15 - 16:00	Altair (Pooyan Dadvand)	

# SCHEDULE: KRATOS WORKSHOP DAY 2

Time	Description
	What's New in Kratos? Application Session (1)
09:00 - 09:30	Computational Fluid Dynamics (Rubén Zorrilla Martínez)
09:30 - 10:00	Computational Solid Mechanics (Suneth Warnakulasuriya)
10:00 - 10:30	Reduced Order Models (Riccardo Rossi)
10:30 - 11:00	Coffee Break
	What's New in Kratos? Application Session (2)
11:00 - 11:30	Coupling: the CoSimulationApplication (Rubén Zorrilla Martínez)
11:30 - 12:00	Particle Methods: the MPMApplication (Antonia Larese)
12:00 - 12:30	TBD
12:30 - 14:00	Lunch Break
	What's New in Kratos? Application Session (3)
14:00 - 15:00	The GeoMechanicsApplication (Jonathan Nuttall)
	What's New in Kratos? Core Session
15:00 - 16:00	GUI and FlowGraph, Multistage and Register (Carlos Roig)
16:00 - 18:00	Round Table & Coffee

## SCHEDULE: KRATOS COURSE

Time	Description
	Kratos Course (Session 1)
09:00 - 09:30	Kratos Installation
09:30 - 10:00	Using Kratos GUI
10:30 - 11:00	Coffee Break
	Kratos Course (Session 2)
11:00 - 11:30	Kratos Input Files and I/O
11:30 - 12:00	Data Management
12:30 - 14:00	Lunch Break
	Kratos Course (Session 3)
14:00 - 14:40	Solving Strategies
14:40 - 15:20	Manipulating Solution Values
15:20 - 16:00	Multiphysics with Kratos
16:00 - 16:30	Coffee Break
16:30 - 17:00	Technical discussion of ongoing issues

## WORKSHOP VENUE