

2024 KRATOS MULTIPHYSICS WORKSHOP @ UNIPD

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NOVEMBER 6-8, 2024

KRATOS WORKSHOP DAY 1 – NOVEMBER 6TH, 2024

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

KRATOS WORKSHOP DAY 2 – NOVEMBER 7TH, 2024

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

KRATOS COURSE – NOVEMBER 8TH, 2024

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