2024 Kratos Multiphysics Workshop @ UNIPD

Antonia Larese	*University of Padova (Italy)*
Rubén Zorrilla Martínez	*UPC/CIMNE (Spain)*
Carlos Roig	*CIMNE (Spain)*
Suneth Warnakulasuriya	*Technische Universitat Braunschweig (Germany)*
Nicolò Crescenzio	*University of Padova (Italy)*

November 6-8, 2024

Kratos Workshop Day 1 – November 6th, 2024

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)*

Kratos Workshop Day 2 – November 7th, 2024

	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

Kratos Course – November 8th, 2024

	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