Advanced Numerical Methods for Hyperbolic Equations and Applications Prof. Michael Dumbser and Dr. Firas Dhaouadi Two special lectures given by Prof. Dr. Dr. hc. E.F. Toro, OBE

Week: 3 February - 7 February 2025

Times	Monday 3/2	Tuesday 4/2	Wednesday 5/2	Thursday 6/2	Friday 7/2
09:00-11:00	Finite volume scheme for conservation laws I	s Finite volume schemes for conservation laws III	ADER schemes	Path-conservative finite volume schemes	Discontinuous Galerkin methods III
	(room 2A)	(room 2A)	(room 2A)	(room 2A)	(room 2A)
11:00-11:30	Cappuccino	Cappuccino	Cappuccino	Cappuccino	Cappuccino
11:30-13:00	Finite volume scheme for conservation laws II	s High order ENO/WENO finite volume methods	Discontinuous Galerkin finite element methods	Meshless particle methods (SPH)	Path-conservative FV schemes
	(room 2A)	(room 2A)	(room 2A)	(room 2A)	(room 2A)
13:00-14:00	Lunch	Lunch	Lunch	Lunch	Lunch
14:00-16:00	FV schemes for conservation laws	FV schemes on unstructured grids	High order ENO/WENO Methods I	Discontinuous Galerkin methods I	Advanced applications of ADER schemes
	(room 2A)	(room 2A)	(room 2A)	(room 2A)	(room 2A)
16:00-16:30	Теа	Теа	Tea	Теа	Теа
16:30-18:00	FV schemes for conservation laws	FV schemes on unstructured grids	High order ENO/WENO Methods II	Discontinuous Galerkin methods II	The augmented Lagrangian approach for dissipative and
	(room 2A)	(room 2A)	(room 2A)	(room 2A)	(room 2A)
18:15-19:15 Special lectures by Prof. E.F. Toro		The HLLC Riemann solver (Prof. E.F. Toro) (room 2A)		The Toro-Vázquez flux vector splitting (Prof. E.F. Toro) (room 2A)	
		theory session	laboratory sessi	laboratory session	