

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

Week: 29 January - 2 February 2024

Times	Monday 29/1	Tuesday 30/1	Wednesday 31/1	Thursday 1/2	Friday 2/2
09:00-11:00	Finite volume schemes for conservation laws I (room 2A)	Finite volume schemes for conservation laws III (room 2A)	ADER schemes (room 2A)	Path-conservative finite volume schemes (room 2A)	<i>Discontinuous Galerkin methods III</i> (room 2A)
11:00-11:30	Cappuccino	Cappuccino	Cappuccino	Cappuccino	Cappuccino
11:30-13:00	Finite volume schemes for conservation laws II (room 2A)	High order ENO/WENO finite volume methods (room 2A)	Discontinuous Galerkin finite element methods (room 2A)	Meshless particle methods (SPH) (room 2A)	<i>Path-conservative FV schemes</i> (room 2A)
13:00-14:00	Lunch	Lunch	Lunch	Lunch	Lunch
14:00-16:00	<i>FV schemes for conservation laws</i> (room 2A)	<i>FV schemes on unstructured grids</i> (room 2A)	<i>High order ENO/WENO Methods I</i> (room 2A)	<i>Discontinuous Galerkin methods I</i> (room 2A)	Advanced applications of ADER schemes (room 2A)
16:00-16:30	Tea	Tea	Tea	Tea	Tea
16:30-18:00	<i>FV schemes for conservation laws</i> (room 2A)	<i>FV schemes on unstructured grids</i> (room 2A)	<i>High order ENO/WENO Methods II</i> (room 2A)	<i>Discontinuous Galerkin methods II</i> (room 2A)	ADER-DG schemes for compressible multi-phase flows (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 session	