		Monday		Tuesday		Wednesday		Thursday		Friday	
		Lecture	Content	Lecture	Content	Lecture	Content	Lecture	Content	Lecture	Content
09:00	09:15	Regist	ration								
09:15	09:30								- Property and		
09:30	09:45			HPCFD03:	Classification and			HPCFD07:	models; DNS, LES,	HPCFD08:	MPI/OpenMP
09:45	10:00	HPCFD01:	Basic equations,	Numerics of PDEs,	Properties of		Presentation of the	Turbulence	RANS (k-eps)	Parallelization	Hardware
10:00 10:15	10:15 10:30	Introduction	Flow regimes	Finite Differences	relevant PDEs		fundamentals of		- lambda criterion		
10:15	10:30					HPCFD05: Finite	Finite Elements for				
10:30	10.43					Element Method	Fluid Mechanics,				
11:00	11:00	HPCFD02:				and	Properties and				
11:15	11:30	Compressible	Mach, Re, regime		2.11	Incompressible Flows	Methods for Incompressible		December of the for		
11:30	11:45	Flows								HPCFD09:	Access to systems
11:45	12:00				Basic Idea,		flows		Reconstruction for	Parallelization	,
12:00	12:15	Exercise X1:			Riemann Problem, Flux Functions, Properties		nows	HPCFD06: Higher Order	Finite Volumes, Discontinuous Galerkin	HPCFD10: Parallelization	ı/o
12:15	12:30	Introduction on HPC system	Modules, Batchsystem								
12:30	12:45										
12:45	13:00	HPC system									
13:00	13:15										
13:15	13:30	Mittagsnause									
13:30	13:45	······································									
13:45	14:00			Exercise X3: Flux	Running shock		- cut-cells (FV)				1
14:00 14:15	14:15 14:30	Introduction on	Making use of Paraview	function and	simulations with Lattice-Boltzmann different Flux Method (HPCFD11	Lattice Beltzmann	- LB-q-Val	HPCFDX7: DG in	Simulations on the		
14:15	14:30			Riemann problem			Ateles	effect of scheme	Exercise X9:		
14:45	14.43		Falaview	simulation	Functions		(DG/FEM)	Ateles	order	Performance	Characterization of
15:00	15:15		I	Simulation	FUILLIOIIS					Assessment for	mesh-based solvers
15:15	15:30									Ateles	like Ateles
15:30	15:45										
15:45	16:00				Post-Processing				Looking into the		
16:00	16:15	Exercise X2: Using Ateles Using Simulations on the Cluster	Lising Atoles to run	Exercise X4	results from the simulations of	Exercise: Musubi and	Generating Meshes and running	Exercise X8: Post- processing the	simulations, with		
16:15	16:30								respect to the		
16:30	16:45		Gasdynamics	And Mesh generation	simulation with	results of the Jet	effect of the				
16:45	17:00		Cluster		Monday; Setup of Jet simulation	wesn generation	Musubi	simulation	different		
17:00	17:15			Jet simulation				discretizations	ns		
17:15	17:30										