

Monday, 11 November 2019				
Short Course on Multiphase Flows				
Time	Lecturer	Affiliation	Title	
12:30	13:30	Registration		
13:30	13:50	D. Lucas	Helmholtz-Zentrum Dresden-Rossendorf, Germany	Welcome & General Information
13:50	14:50	G. Scheuerer	ISimQ GmbH, Warngau, Germany	Mathematical Models for Multiphase Flows: Overview & Basic Equations
14:50	15:10	Break with Coffee, Tea & Beverages		
15:10	16:10	T. Esch	ANSYS Germany, Otterfing	Lagrangian Two-Phase Flow Modelling
16:10	16:30	Break with Coffee, Tea & Beverages		
16:30	17:30	U. Hampel	Helmholtz-Zentrum Dresden-Rossendorf, Germany	Measurement Techniques and Experimental Investigations for Multiphase Flows
17:30	17:50	All	Discussion, Questions & Answers	
17:50		Transfer to Dresden		

Tuesday, 12 November 2019				
Short Course on Multiphase Flows				
Time	Lecturer	Affiliation	Title	
08:30	09:00	Registration		
09:00	10:00	H. Eickenbusch	ANSYS Germany, Otterfing	Eulerian Multiphase Flow Modelling: Phase Interaction Models
10:00	10:20	Break with Coffee, Tea & Beverages		
10:20	11:20	M. Peric	Siemens Industry Software GmbH, Germany	Modelling of free-surface flows with focus on the VOF Method
11:20	11:40	Break with Coffee, Tea & Beverages		
11:40	13:00	R. Rzehak	Helmholtz-Zentrum Dresden-Rossendorf, Germany	Dispersed Flow Modelling - Multiple-Size Group Modelling - MUSIG
13:00	13:05	Group Photo		
13:05	14:05	Lunch		
14:05	15:05	S. Lo	Siemens PLM, UK	Interfacial Heat and Mass Transfer Models
15:05	15:50	T. Höhne	Helmholtz-Zentrum Dresden-Rossendorf, Germany	Stratified & Segregated Flow Modelling - Interfacial Area Density Model - AIAD
15:50	16:10	Break with Coffee, Tea & Beverages		
16:10	16:55	D. Lucas	Helmholtz-Zentrum Dresden-Rossendorf, Germany	Multi-Scale Modelling Techniques - GENTOP
16:55	17:55	F. Schlegel / Ch. Greenshields	Helmholtz-Zentrum Dresden-Rossendorf, Germany / OpenFOAM foundation, UK	Flexible development framework for the Euler-Euler approach
17:55	18:15	All	Discussion, Questions & Answers	
18:15		Transfer to Dresden		
19:00		Short Course Dinner @ Restaurant "Schillergarten"		

Wednesday, 13 November 2019				
Short Course on Multiphase Flows - Code Capabilities & Experimental (Parallel Sessions)				
Time	Lecturer	Affiliation	Title	
Code capabilities part				
Plenum				
09:00	09:35	M. Braun	ANSYS Germany	Multiphase Flow Capabilities in FLUENT /CFX
09:35	10:10	S. Lo	Siemens PLM, UK	Multiphase Flow Capabilities in STAR-CCM+
10:10	10:45	Ch. Greenshields	OpenFOAM foundation, UK	Multiphase Flow Capabilities in OpenFOAM
10:45	11:00	Break with Coffee, Tea & Beverages		
Parallel Sessions				
11:00	12:00	T. Esch	ANSYS Germany	FLUENT / CFX demonstration
11:00	12:00	C. Santarelli & F. Klippel	Siemens PLM, Germany	STAR-CCM+ demonstration
11:00	12:00	Ch. Greenshields	OpenFOAM Foundation	OpenFOAM demonstration
Experimental part				
09:00	12:00	E. Schleicher & A. Bieberte	Helmholtz-Zentrum Dresden-Rossendorf, Germany	Interactive Seminar on the Application of Two-Phase Flow Measuring Techniques - Wire-Mesh Sensors & Gamma CT
12:00	13:00	Lunch		