



15th Multiphase Flow Conference and Short Course:
Simulation, Experiment and Application
Dresden, 14 - 17 November 2017



Poster - Best poster will be selected by the participants

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Bao, W.	NPIC, Chengdu, China	Void Fraction Distribution of Subcooled Boiling Flow in Circular Tube Under Rolling Condition
Busch, A.	NTNU Trondheim, Norway	Implementation and validation of a DPM model accounting for shear-thinning fluid viscosity
Chaudhuri, J.	TU Dortmund, Germany	Coalescing filtration process
Chinenye-Kanu, N.	Robert Gordon University, Aberdeen, Scotland, UK	Computational Fluid Dynamics Modelling of Transient Multiphase Flow Induced Vibration in Flowlines
Gao, H.	University of Göttingen, Germany	Reactive tracer experiments and modeling for determination of the fluid-fluid interfacial area in immiscible two-phase flow in porous media
Höhne, T.	HZDR, Germany	Stratified & Segregated Flow Modelling - Interfacial Area Density Models - AIAD
Hu, C.	Zhejiang University, China	Heat transfer of Reactive Dense Gas-solid Flow in Fluidized Bed: A Simulation Study
Keplinger, O.	HZDR, Germany	Bubble breakup inside a bubble chain
Kim, Y.-S.	KAERI, Korea	Introduction of Thermal Hydraulic Behavior of SBLOCA Tests in SMART-ITL Facility
Krepper, E.	HZDR, Germany	Baseline Model for CFD of Dispersed Bubbly Flow
Li, D.	Zhejiang University, China	Direct numerical simulation of particle-laden spatially developing turbulent boundary layer with heat transfer
Lucas, D.	HZDR, Germany	Multiphase CFD activities at HZDR
Ma, T.	HZDR, Germany	Modelling of turbulence modulation in bubbly flows with the aid of direct numerical simulation data
Minko, K.B.	Moscow Power Engineering Institute, Moscow, 111250 Russia	Verification of a volume of fluid-based method for fluid flows with phase change realised in the in-house CFD code ANES
Nöpel, J.-A.	TU Dresden, Germany	Euler-Lagrange model for hydrodynamic cavitation
Ibrahim, M.T.	University of Munich, Freising, Germany	Heat transfer to stationary cubic particle in laminar tube flow: CFD simulation and experimental validation
Olejnik, M.	Polish Academy of Sciences, Gdańsk, Poland	Wetting phenomena and solid boundaries treatment in Smoothed Particle Hydrodynamics



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Oliveira, F.	Unicamp, Brazil	Cavitating jet analysis by means of high speed camera
Oertel, R.	HZDR, Germany	A flow pattern adaptive multi-field two-fluid concept for turbulent two-phase flows
Rzehak, R.	HZDR, Germany	Euler-Euler-Modeling of Reactive Bubbly Flows
Steinhoff, J.	TU Kaiserslautern, Germany	Determination and CFD modeling of the drop size distribution at a gravity separator
Taherdangkoo, R.	University of Göttingen, Germany	Numerical investigation of hydraulic fracturing fluid leakage through abandoned wells
Taylor, Jr., R.	University of Göttingen, Germany	A FEM approach to investigate hydraulic fracturing fluid transport within an interconnected fracture-fault system
Viereckl, F.	TU Dresden, Germany	Experimental investigation of the developing two-phase flow in a slightly inclined heated tube
Vieskov, I.V.	Yuzhnoye State Design Office, Dniepropetrovsk, Ukraine	Numerical simulation two-phase flow in propellant system of launch vehicle
Wang, S.	Zhejiang University, China	Eulerian-Lagrangian model of biomass gasification in a fluidized bed reactor: model description and case study
Zhang, J.-Y.	NPIC, Chengdu, China	Void Fraction Prediction in a 5x5 Full Length Rod Bundle with Uniform-APD of OECD/NEA PSBT Benchmark Exercise
Ziegenhein, T.	HZDR, Germany	Airlift Reactor - Experiment and CFD Simulation
Ziótkowski, P.J.	Polish Academy of Sciences, Gdańsk, Poland	Issues in modelling of water and hydrogen creation, surface catalytic reactions and steam condensation occur due to methanol decomposition in innovative thermocatalytic reactor made from Ni3Al intermetallic alloy