

# DOWNLOAD PDF FIFTH WORKSHOP ON TWO-PHASE FLOW PREDICTIONS

## Chapter 1 : Predicting Two-Phase Pressure Drops in Vertical Pipe - OnePetro

*PROCEEDINGS OF THE FIFTH WORKSHOP ON TWO-PHASE FLOW PREDICTIONS Erlangen, March , Edited by: M. Sommerfeld and [blog.quintoapp.com](http://blog.quintoapp.com)berg Lehrstuhl fiir Stromungsmechanik.*

The following may be selected publications rather than a comprehensive list. Journal Articles Navaneetha Kannan, Seetharaman et al. Cold Finger and Flow Loop Testing. Karami, H et al. Karami, Hamidreza et al. Soepyan, Frits et al. Ersoy, G et al. Soedarmo, Auzan et al. Al-Sarkhi, A et al. Ajani, Abdulkamil et al. Critical Velocity and Pressure Drop Prediction. Aydin, Tayfun et al. Skopich, Anton et al. Vuong, Duc et al. Sarica, Cem et al. Schleicher, Eckhard et al. Gawas, Kiran et al. Wang, Shufan et al. Luo, Shu et al. Moreiras, Jose et al. Soepyan, F et al. Lee, H et al. Al-Sarkhi, Abdelsalam, and Cem Sarica. Dwivedi, Priyank et al. Shang, Wei, and Cem Sarica. Choi, Jinho et al. Sarica, Cem, and Cleon Dunham. Panacharoensawad, Ekarit, and Cem Sarica. Soepyan, FB et al. Jeyachandra, BC et al. Creek, Jefferson et al. Sarica, Cem, and Ekarit Panacharoensawad. Magrini, Kyle et al. Al-Sarkhi, A, and Cem Sarica. Multiphase Flow, 28 3 , , Pp. Zhang, Hong-Quan, and Cem Sarica. Sharma, Anoop et al. Posluszny, D et al. A Case Study for Vertical Flows. Yu, Tingting et al. Gokcal, Bahadir et al. Atmaca, Serdar et al. Couto, Guilherme et al. Vielma, Maria et al. Al-Safran, E et al. Zhang, Hong-Quan et al. Influence of Logging Tool. Satman, Abdurrahman et al. Jiang, Weipeng et al. Kaya, Avni et al. Tengesdal, Jarl et al. Journal of Energy Resources Technology Yuan , Hong, Cem Sarica, and J. Marciano, R et al. Flores, JG et al. Yuan, H et al. Roumazeilles, PM et al. Ozkan, E et al. Ozkan, Erdal et al. Ansari, AM et al. Sarica, Cem, and Ovadia Shoham. Sarica, Cem, and Abdurrahman Satman. University Of Tulsa, Conference Proceedings Barreto, Carolina et al. Daraboina, N et al. Nair, J et al. ID near Horizontal Pipes. Brito, R et al. Dinata, Randy et al. Zheng, Wei et al. Valbuena, J et al. Chung, S et al. Daraboina, Nagu et al. Guner, M et al. Golchha, Abhishek et al. A Novel Artificial Lift Method. Rittirong, Ake et al. Alsaadi, Y et al. Fan, Y et al. Singh, Amrinder et al. Panacharoensawad, Ekarit, Cem Sarica, and others. Cremaschi, Selen et al. Brito, Rosmer et al. Yuan, Ge et al. Kelkar, Mohan et al. Soepyan, Byron et al. Jeyachandra, Benin et al. Klavetter, K et al. Ersoy, Gizem et al. Goncalves, MAL et al. Sridhar, Siddesh et al. Kora, Ceyda et al. Shang, W, and Cem Sarica. Ben-Mansour, R et al. Bruno, Antonio et al. Al-Safran, E, and Cem Sarica. Alsafran, Eissa et al. Hernandez, OC et al. Hossain, Mohammad et al.

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## Chapter 2 : Papers using LIGGGHTS | CFDEM®project

*Fifth Workshop on Two-Phase Flow Predictions: Proceedings, Erlangen, March , (Bilateral seminars of the International Bureau) Unknown Binding - Be the first to review this item See all formats and editions Hide other formats and editions.*

The participation was limited to only a few people working in the field of particle dispersion in turbulent flows. An important objective was the performance and discussion of numerical calculations for pre-defined test cases. During the past 30 years numerical calculations of dispersed multiphase flows have received considerable interest in research and technical or industrial applications. For numerous companies in the process industries e. This field is still in the stage of development. Important for model developments are theoretical analysis, direct numerical simulations and detailed experiments. Influence of inter-particle collisions on particle clustering left: Programme Direct numerical simulations with interface resolution Derksen, J.: Simulations of dispersed multiphase flow at the particle level keynote lecture derksen. Navier-Stokes simulation of particulate flows Eshghinejadfard. Phase-field simulations of liquid interfaces in contact with solids Borrmann, S. Dynamic behavior of buoyant high viscosity droplets rising in a quiescent liquid Finotello, G. Qualitative study on path instabilities of light particles rising within a liquid at rotation Freudigmann, H. Turbulent breakage of ductile aggregates Marchioli-Aggregates. The notion of particle pressure in a suspension of particles in turbulent flow keynote lecture Achury, J. Theoretical and numerical investigation of particle response to an axial acoustic field Achury. A simple stochastic quadrant model for the turbulent deposition of particles in turbulent boundary layers Hu, Y. Modeling of the influence of coupling between electric ion charges and hydrodynamic flow on particle charging and acceleration in electrostatic fields using OpenFOAM Quintero, B. The effect of an oscillating agitated fluid on particle agglomerates and analysis of bond breakage Almohammed, N. Comparison of an energy-based and a momentum-based agglomeration model within an Euler-Lagrange LES approach Almohammed. Application of the discrete phase model in metallurgical processes Asad. Transport of solid-liquid suspensions in wellbore drilling: Multiphase flow of natural gas through pipelines Judakova. Effects of the inlet angle on the flow field and performance of a cyclone separator with helical-roof inlet Le, H.

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## Chapter 3 : 6th workshop on Two-Phase Flow Predictions - CORE

*The series of Workshops on Two-Phase Flow predictions was established in the framework of a German/Yugoslavian cooperation projekt between the Lehrstuhl für Strömungsmechanik, Universität Erlangen/Nürnberg, and the Boris Kidric Institute of Nuclear Sciences, Belgrade, which is supported by.*

**Content** The main objective of the Workshop is to bring together researchers working in the field of dispersed multiphase flow on a theoretical, numerical or experimental basis. Oral presentations and posters in the following areas are most welcome for the Workshop: Modelling of dispersed turbulent two-phase flows turbulence models, heat and mass transfer, particle-wall interaction, particle-particle interaction, bubble and droplet interactions, agglomeration, Additionally, about 15 posters may be accepted. The selection of oral presentations and posters will be based upon an abstract of one DIN A4-page. The abstracts and any related correspondence should be sent to Prof. Test Case Calculations An additional objective of the Workshop will be related to the validation of numerical predictions obtained by different model approaches and numerical codes. These validations will be based on pre-defined test cases for which experimental or numerical results e. Several test cases will be selected and made available to the interested groups approximately four months prior to the Workshop on the homepage of the organisers [www-mvt](http://www-mvt). The test cases are generally blind test cases and only boundary and inlet conditions will be provided. The following test cases are tentatively planned: Benchmark test on particle-laden channel flow with point-particle LES prepared by: Marchioli University of Udine, Italy; Dr. Kuerten Technische Universiteit Eindhoven, Netherlands Confined particle-laden flow downstream a bluff body at several mass loadings Boree et al. During the Workshop, the various numerical results for the test cases will be exhibited. The presentations are followed by a round table discussion to examine the performance of the various computer codes and models. The test case calculations can be regarded as a challenge to approach more complex problems in two-phase flow predictions and will hopefully stimulate further improvements and developments of numerical methods and models. After the Workshop the test case results will be also displayed at the homepage of the organiser. The number of groups participating in one test case calculation is limited to about five. Any questions regarding the test cases may be sent to Prof. Registration fee The registration fee for the Workshop is Euro, which includes the proceedings, refreshments during the breaks, lunches, an excursion and a common dinner in a historic place of the region. The registration fee should be paid by bank transfer. An invoice or receipt will be issued after the final registration. Time Schedule Availability of test case specification: November 30, Final date for receipt of abstracts: December 15, Authors informed concerning acceptance of presentation: January 15, Final date for receipt of the test case results: March 10, Final date for receipt of camera-ready manuscripts of the presentation contributions received after this date cannot be included in the proceedings: March 10, Proceedings The proceedings will include papers of all accepted presentations and posters and will be provided on a CD at the Workshop registration.

## Chapter 4 : Flags Pipeline: Two-Phase Flow Modelling and Validation of Predictions - OnePetro

*Dispersed Turbulent Two Phase Flow; 11th Workshop on Two-Phase Flow Predictions; SIG 11th Workshop on Two-Phase Flow Predictions Merseburg 5th - 8th April*

## Chapter 5 : Turbulent Subcooled Boiling Flow – Experiments and Simulations | Journal of Heat Transfer |

*How to Cite (), Sixth workshop on two-phase flow predictions. March April 2, , Erlangen (Federal Republic of Germany). Part. Part.*

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## Chapter 6 : 14th Workshop on Two-Phase Flow Predictions

*14th Workshop on Two-Phase Flow Predictions The 14 th workshop on Two-Phase Flow Predictions is held on September the 7 th th at. Zentrum für Ingenieurwissenschaften.*

## Chapter 7 : 5th workshop on Two Phase Flow Predictions - CORE

*The test case calculations can be regarded as a challenge to approach more complex problems in two-phase flow predictions and will hopefully stimulate further improvements and developments of numerical methods and models.*

## Chapter 8 : ERCOFTAC CADO - 11th Workshop on Two-Phase Flow Predictions

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## Chapter 9 : ERCOFTAC CADO - 12th Workshop on Two-Phase Flow Predictions

*Bel F'dhila, R., and Simonin, O., , "Eulerian Prediction of a Turbulent Bubbly Flow Downstream of a Sudden Pipe Expansion," Proceedings of the Fifth Workshop on Two-Phase Flow Predictions, Erlangen, Germany.*