

1. Record Nr.	UNINA9910459325303321
Titolo	Multiphase flow research [[electronic resource] /] S. Martin and J.R. Williams, editors
Pubbl/distr/stampa	New York, : Nova Science Publishers, c2009
ISBN	1-60876-479-6
Descrizione fisica	1 online resource (881 p.)
Altri autori (Persone)	MartinS. <1961-> WilliamsJ. R. <1959->
Disciplina	620.1/064
Soggetti	Multiphase flow Multiphase flow - Mathematical models Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	<p>""Multiphase Flow Research""; ""Contents""; ""Preface""; ""Numerical Simulation of Multiphase Flow Systems""; ""Introduction""; ""Basics of Computational Fluid Dynamics with Single Phase Flows""; ""References""; ""Basics of Multiphase Flow Systems""; ""References""; ""Euler-Lagrange Models""; ""References""; ""Discrete Particle Models""; ""References""; ""Basics of Euler-Euler Models""; ""References""; ""Models for Free Boundaries""; ""References""; ""Population Balances""; ""References"" ""Modeling Multiphase Flow with Phase Change and Heat Transfer: Status Review, Challenges and Future Research Direction""""Introduction to Multiphase Flow""; ""Multiphase Flow with Phase Change Heat Transfer""; ""Multiphase Flow Modeling Techniques""; ""Status Review on Multiphase Flow Modeling with Phase Change Heat Transfer through Interface Capturing Techniques""; ""Understanding and Limitation of Bubble Nucleation and Phase Change Heat Transfer through Macroscale Modeling""; ""Future Research Directions""; ""References"" ""Incorporations of In-Situ Flow Parameters and Flow Pattern Phenomena into a Mathematical model of an Air-Water Mixture using Concomitancy Criteria based on Experimental Studies of Advanced Micro Cooling Modules with Phase Transition""""Introduction""; ""Related Work""; ""Nomenclature""; ""Advanced Micro Cooling</p>

Modules"; ""Two-Phase Model with Flow Patterns"; ""Experiments and Experimental Data"; ""Concomitancy of Measurement Systems""; ""Conclusions and Recommendations"; ""Biographical Sketches""; ""References""

""Influence of the Interfacial Drag on Pressure Loss for Two Phase Flow and Coolability in Porous Media""""Introduction""; ""1-phase Flow through Porous Media""; ""2-phase Flow through Porous Media""; ""Application of Models""; ""Application of Models to Typical Reactor Cases""; ""Nomenclature""; ""References""; ""Hydrodynamic Studies on Two-Phase Gas-Liquid Flow in an Ejector Induced Downflow Bubble Column""; ""Background""; ""Experimental Apparatus and Procedure""; ""Results and Discussions""; ""Conclusion""; ""Nomenclature""; ""References""

""Modeling Explicitly the Flow of Three Dimensional Deformable Particles and Droplets, at High Concentration""""Introduction""; ""The Need for Lattice Boltzmann""; ""Four-Dimensional Momentum Density""; ""Modeling Many Vehicles in Flow (20pp)""; ""Conclusion""; ""References""; ""A WIMF Scheme for the Drift-Flux Two-Phase Flow Model""; ""Introduction""; ""The Two-Phase Flow Model""; ""An Implicit Scheme""; ""The WIMF Scheme""; ""Application to the Drift-Flux Model""; ""Numerical Simulations""; ""Conclusion""; ""References""

""Modelling of the Interaction of the Dispersed and the Continuous Phases in a Liquid-Liquid Extraction Column""

2. Record Nr.	UNINA9910299686203321
Titolo	Computational Intelligence in Data Mining - Volume 3 : Proceedings of the International Conference on CIDM, 20-21 December 2014 // edited by Lakhmi C. Jain, Himansu Sekhar Behera, Jyotsna Kumar Mandal, Durga Prasad Mohapatra
Pubbl/distr/stampa	New Delhi : , : Springer India : , : Imprint : Springer, , 2015
ISBN	81-322-2202-4
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (716 p.)
Collana	Smart Innovation, Systems and Technologies, , 2190-3026 ; ; 33
Disciplina	006 006.3 006.312 620
Soggetti	Computational intelligence Data mining Artificial intelligence Computational Intelligence Data Mining and Knowledge Discovery Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	About the Conference -- Acknowledgement -- Conference Committee -- Editor's Biography -- Preface -- Chapters -- Author Index.
Sommario/riassunto	The contributed volume aims to explicate and address the difficulties and challenges for the seamless integration of two core disciplines of computer science, i.e., computational intelligence and data mining. Data Mining aims at the automatic discovery of underlying non-trivial knowledge from datasets by applying intelligent analysis techniques. The interest in this research area has experienced a considerable growth in the last years due to two key factors: (a) knowledge hidden in organizations' databases can be exploited to improve strategic and managerial decision-making; (b) the large volume of data managed by organizations makes it impossible to carry out a manual analysis. The

book addresses different methods and techniques of integration for enhancing the overall goal of data mining. The book helps to disseminate the knowledge about some innovative, active research directions in the field of data mining, machine and computational intelligence, along with some current issues and applications of related topics.
