

Lixin Cheng *Editor*

Frontiers and Progress in Multiphase Flow I

Contents

1 Selected Aspects of Thermal-Hydraulics Modelling in Two-Phase Flows with Phase Change in Minichannels.	1
Dariusz Mikielewicz	
2 Flow Characteristics and Void Fraction Prediction in Large Diameter Pipes.	55
Xiuzhong Shen, Joshua P. Schlegel, Shaowen Chen, Somboon Rassame, Matthew J. Griffiths, Takashi Hibiki and Mamoru Ishii	
3 Physical Water Treatment Using Oscillating Electric Fields to Mitigate Scaling in Heat Exchangers.	105
Leonard D. Tijing, Cheol Sang Kim, Dong Hwan Lee and Young I. Cho	
4 Flow Patterns, Void Fraction and Pressure Drop in Gas-Liquid Two Phase Flow at Different Pipe Orientations	157
Afshin J. Ghajar and Swanand M. Bhagwat	