## Contents

J.L. Muñoz-Cobo, S. Chiva, M. Essa and S. Mendes: Experiments performed with bubbly flow in vertical pipes at different flow conditions covering the transition region: simulation by coupling Eulerian, Lagrangian and 3D random walks models .......................... 3

J. Mikielewicz and D. Mikielewicz: Thermal-hydraulic issues of flow boiling and condensation in organic Rankine cycle heat exchangers ............... 41

W. Wróblewski, S. Dykas and T. Chmielniak: Models for water steam condensing flows .................................................. 67

T. Bohdal, H. Charun and M. Sikora: Pressure drop during condensation of refrigerants in pipe minichannels ........................................ 87

R. Rzehak and E. Krepper: CFD simulation of DEBORA boiling experiments 107

R. Mosdorf and T. Wyszkowski: Chaotic air pressure fluctuations during departure of air bubbles from two neighbouring nozzles ............... 123

D. Mikielewicz, T. Muszyński and J. Mikielewicz: Model of heat transfer in the stagnation point of rapidly evaporating microjet ............... 139