Preface

The Fourth International Conference on Heat Transfer and Fluid Flow in Microscale, HTFFM-IV, was held on September 4th to 9th, 2011 at Fukuoka, Japan. This conference was co-sponsored by Heat Transfer Society of Japan (HTSJ), Engineering Conference International (ECI), International Center for Heat and Mass Transfer (ICHMT) and other organizations. HTFFM-IV was held as one of the special events for 50th anniversary of HTSJ with a total of 100 participants from 14 countries and regions. Totally 68 papers were presented together with an invited lecture and seven keynotes.

Continuous demand for efficient heat transfer systems and recent development of micro/nano devices have led to studies dealing with microscopic behavior of thermal phenomena. The state-of-the-art knowledge in the field of heat transfer and fluid flow in microscale should help us towards sustainable environment and society.

The special issue consists of 8 papers selected from the above conference papers, which have reached a high quality level through the review process of JTST. We would like to express our sincere appreciation to the reviewers of papers as well as the executive committee of HTFFM-IV for their effort to publish this special issue.

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