Preface

The Ninth International Conference on Flow Dynamics, ICFD2012, was held on September 19th to 21st, 2012 at Sendai, Japan. This conference was sponsored by Global COE Program: World Center of Education and Research for Trans-disciplinary Flow Dynamics, in cooperation with the Japan Society of Mechanical Engineers (JSME) and other organizations.

We could welcome 578 participants to ICFD2012. Totally 435 papers were presented with three plenary lectures together in the fields of “Flow Dynamics”.

“Flow dynamics” is a comprehensive scientific field which deals with the flow and transport phenomena concerning to fluids, materials, energy and information. We expect that the science and technologies related to flow dynamics will be important for harmonious Co-existence and Symbiosis of the earth and its living lives.

The special issue consists of 9 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 GCOE office for their effort to publish this special issue.

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