



Preface

This special issue of the IJHFF is devoted to papers that were first presented at 6th World Conference on Experimental Heat Transfer, Fluid Mechanics, and Thermodynamics (ExHFT-6). The Conference was held in the period 17–21 April 2005 at Matsushima coast, Miyagi, which is called as one of the three most beautiful sights in Japan. This followed the five preceding World Conferences held in Dubrovnik (1988, 1991), Honolulu (1993), Bruxelles (1997), and Thessaloniki (2001). ExHFT-6 intended to bring together experimental researchers and those in industry who are active in the areas of thermal and fluid science and engineering, in order to exchange their expertise, experiences and insights, and to further stimulate their research activities.

For ExHFT-6, papers on experimental heat transfer, fluid mechanics and thermodynamics had been solicited, including those on synergetic experimental and computational methodology. In order to highlight the prominent feature of ExHFT-6, we have selected ten papers, which are most suitable for publication in the IJHFF, from 247 papers presented at the conference. For this archival edition, the authors have been encouraged to add their most recent results and to expand their contributions, where appropriate, to give the added perspective that so often comes from an intense discussion on the paper with one's peers. Thereafter all papers have been re-reviewed in line with the usual IJHFF practice.

We hope that this resulting special issue provides a valuable overview for our readers. As Editors, we wish to thank all ExHFT-6 Committee Members, in particular, Professors S. Maruyama and K. Maruta at Tohoku University, for organizing a successful conference, and the referees who have conducted prompt and thoughtful review of the papers included in this special issue.

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