Preface

Visualization is a science where invisible information is made positively visible using visualization techniques and computers. Through such visible information, new information is obtained which helps to clarify the phenomena. With advances in computers, video cameras, lasers, and in deeper understanding of the theory of image processing, the progress in visualization techniques continues vigorously. Recently, visualization research is being extended in new directions such as PIV and LIF techniques, supersonic/compressible flows, CFD-related visualization, infrared thermography, holographic interferometry, acoustics, sports science, turbulence, heat transfer, medical imaging and many others.

This special issue contains research dealing with many of the most recent developments in flow visualization in each areas mentioned above. It consists of papers selected and reviewed from more than 160 papers at the Sixth Asian Symposium on Visualization (ASV6), Pusan, Korea, 28-31 May 2001, chaired by professors Tae-Hyun Chang and Keun-Shik Chang. Special thanks are due to invited speakers who contribute their original works to the special issue to enhance the academic reputation of the KSME International Journal. Especially, three papers on the 'Drifting Cup on a Meandering Stream' which have a long history in the Far East Asian countries uniquely present the fluid-dynamic features and geo-cultural background.

I wish to thank KSME and the editors of KSME International Journal for making it possible to publish papers from the symposium in this special issue, and for the reviews contributions in refereeing and editing. I also wish to thank the authors for their careful and insightful work, and their cooperation in preparing their papers. Finally, I hope that the readers will find this special issue to be a useful compilation of the state-of-the-art in flow visualization.

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