Preface: A Special Issue of Papers of the 9th Pacific Symposium on Flow Visualization and Image Processing, PSFVIP9

The 9th Pacific Symposium on Flow Visualization and Image Processing (PSFVIP9) was held at Hanhwa Resort in Busan, South Korea, in August 25–28, 2013. The symposium was chaired by Prof. Sang Joon Lee at POSTECH, Korea, and organized by the Korean Society of Visualization (KSV). This symposium is held every two years since 1997. The first and second PSFVIP, were held in 1997 and 1999 (Honolulu, USA). From the third to the eighth PSFVIPs were held in 2001 (Maui, USA), in 2003 (Chamonix, France), in 2005 (Daydream Island, Australia), in 2007 (Honolulu, USA), in 2009 (Kaohsiung, ROC), and in 2011 (Moscow, Russia).

The objective of this symposium is to provide world well-known experts with a chance to exchange their recent research ideas in the spirit of collaboration and friendship. The number of participants was 145 from 14 countries. The state-of-the-art in many aspects of flow visualization was presented and discussed, and the number of papers presented was 108 from 14 countries. Three plenary lectures and 21 paper sessions were held in three session rooms for four days. Among 21 paper sessions, the sessions of "Physiological/Biological Flows", "Micro/Nanoflows", "High-Speed Flows", "Particle/Droplet", and "Turbulence" received large attention from the PSFVIP9 participants. The 10th Pacific Symposium on Flow Visualization and Image Processing will be held in Naples, Italia, in 2015.

Thirty papers were selected by the Scientific Committee of PSFVIP9. After the standard review process of JFVIP, eight papers were finally accepted for publication. In this special issue, new and advanced visualization techniques such as tomographic particle image velocimetry (PIV), high-resolution three-color PIV, high-speed infrared thermography, and time-resolved thermography are introduced. Interesting applications of flow visualization and image processing techniques for liquid jet flows, controlled ignition, partially spanning cavities, and twin diamond cylinders are reported.

I wish to thank the editors of JFVIP for making it possible to publish this special issue. I also thank the authors for their careful and insightful work and cooperation in the preparation of revised papers. It will be my pleasure if readers appreciate the hot topics in flow visualization research as a result of this special issue. I do hope the progress in flow visualization will create new research fields. Finally, I would like to express sincere thanks to Michelle Amoroso and the staff of the Begell House for their kind support.

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