

INTRODUCTION TO THE SPECIAL ISSUE ON THE 5TH EUROPEAN–JAPANESE TWO-PHASE FLOW GROUP MEETING

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The European Two-Phase Flow Group was established October 4, 1963, at the Royal Institute of Technology in Stockholm by Professor Becker with the main objectives of discussing the latest research and fostering the synergism of academic and industrial circles, with special emphasis toward the younger generation. This European Group has met every year since 1963.

The idea of holding a meeting of a Two-Phase Flow Group between Europe and Japan is credited to Professor Iztok Zun, from the European research community, and Professor Goichi Matsui and the Japanese Society of Multiphase Flow, representing Japanese research.

Special features of the European Two-Phase Flow Group meetings which have been adopted by the European–Japanese Group are (a) presentations dealing with fresh material (work in progress), (b) quality attendance by invitation only (about 50 participants), (c) ample time for discussion, (d) plenary sessions, and (e) informal meeting opportunities.

The goal is to return home with new ideas resulting from discussions at the meetings which can be immediately put into practice in current research, set up collaborations with research groups in Europe and in Japan, and become acquainted with the latest research occurring in the most qualified European and Japanese laboratories of two-phase flow.

The Japanese–European Two-Phase Flow Group meeting was held for the first time in June 1998 in Portoroz, Slovenia, organized by Professor Iztok Zun with the help of Professor Goichi Matsui. It was followed by meetings in Tsukuba, Japan, in September 2000, organized by Professor Goichi Matsui with the help of Professor Iztok Zun; in

Certosa di Pontignano (Siena), Italy, organized by Dr. Gian Piero Celata with the help of Professor Akio Tomiyama; in Kyoto, Japan, in September 2006, by Professor Kaichiro Mishima, Professor Katsuya Tsuchiya, and Professor Akio Tomiyama; and in Spoleto, Italy, in September 2009 by Dr. Gian Piero Celata with the help of Professor Koichi Hishida and Professor Akio Tomiyama.

This special issue is dedicated to a selection of studies presented at the last meeting held in Spoleto, attended by 51 delegates, 31 from Europe and 20 from Japan, representing major schools in two-phase flow. All the selected papers were peer reviewed with the standard review procedure of *Multiphase Science and Technology* and are split into three issues.