Preface

It is our greatest honour to edit this special issue entitled, “Fluid Mixing and Transport Phenomena” of the Journal of Fluid Science and Technology (JFST). Fluid mixing has been attracting interests of many researchers and engineers, since it is a key phenomenon to govern the performance in equipments and industrial systems. The application can be seen in various engineering fields, thus the papers in this issue covers the various fields including the mixing in turbulent flows and micro channels.

This issue includes 5 papers presented at the “7th Forum on the Transport Phenomena in Mixing” of the 5th Joint ASME/JSME Fluids Engineering Conference (FEDSM07) held on July 30 to August 12, 2007 in San Diego, California, USA. This issue also includes two original papers and three translated papers from Japanese papers published recently in the Transactions of the JSME. All papers were checked and passed through the JFST review process.

We gratefully acknowledge ASME for the permission of the re-publication of 5 papers presented at FEDSM07. We also would like to express sincere appreciation to the reviews of the papers as well as the FEDSM07 committee members and the ASME Fluid Engineering Division for supporting this publication.

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