# Preface

The special issue “Transfer Phenomena in Fluid and Heat Flows III” of the journal “Defect and Diffusion Forum” presents papers covering theoretical and practical aspects of modeling and numerical investigation of the diffusive convection, magnetohydromagnetic mixed convective flows and heat transfer phenomena in different media and engineering objects.

The presented results are of great importance in the study of different convective phenomena, moving fluids and also for practical designing in the field of modern microelectromechanical systems (MEMS) for the technical and biomedical use, solar energy transformation and various chemical technologies, development of nuclear reactors, cooling of electrical and electronic components and devices, thermal storage systems and micromixing technologies.

We hope that our special issue will be very interesting and useful for a wide audience of researchers and engineers from various fields of human activity.

We would like to thank all who participated in the collecting of this special issue, authors for their valuable contributions and reviewers for their reports and important comments.

Dr. Stanislav Kolisnychenko
Editor

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