

PREFACE

Proceedings of the STS-33 XXXIII Siberian Thermophysical Seminar

The Siberian Thermophysical Seminar has been traditionally held at Kutateladze Institute of Thermophysics SB RAS in Novosibirsk Akademgorodok since 1960. In 2017, the Seminar will be devoted to several anniversaries at once. The Kutateladze Institute of Thermophysics SB RAS is celebrating its 60 Year Anniversary. The conference took place in the city of Novosibirsk.

The conference will also host sections dedicated to the 100 Year Anniversary since the birth of Academician Ivan I. Novikov, the first Director of the Institute of Thermophysics, and the 80 Year Anniversary of Academician Eduard P. Volchkov. Works of these outstanding scientists are inseparably connected with the development of Russian thermal science and our Institute. The organizing committee sincerely believes that the XXXIII Siberian Thermophysical Seminar will attract young scientists to solving urgent scientific problems.

The present Conference covers the following topics: heat transfer and hydrodynamics in single phase and multiphase flows, phase transitions, reacting flows, detonation processes, experimental and numerical techniques in thermophysics and physical hydrodynamics, heat transfer and hydrodynamics on micro- and nanoscale and in industrial processes. The proceedings contain 108 papers grouped by a few topics.

The scientific committee appreciates the enormous work of the editorial board and reviewers in the preparation of this volume. We would like to express our sincere thanks to all authors for their research contributions, and also to organizers of the conference for their valuable spadework.

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