

# Preface

The iTi has become an established biannual conference taking place in the years between the ETC—(European Turbulence Conference) and TSFP—(Turbulence and Shear Flow Phenomena) conferences. With 50–100 participants, the iTi conference places value on the discussions and personal contacts in the location of the beautiful town of Bertinoro in northern Italy. The size of the conference allows to have no parallel sessions and to give time to focus on special topics. The content-related focus areas of the conference are the interdisciplinary aspects of turbulence, defining our abbreviation iTi—interdisciplinary turbulence initiative.

In the 6th iTi conference 96 scientists from 19 different countries came together. In total there were 86 contributions, from which 53 were presented as talks, with 5 invited talks, covering a wide range of aspects of current turbulence research. Advances in the basics of understanding and modeling turbulence as well as practical implications like the control of turbulence were addressed.

Furthermore, it is a tradition of the iTi to organize a one day workshop before the conference. The special topic of this edition is turbulent flows generated by multi-scale excitations.

The content of the 6th iTi conference is documented in this volume by 54 contributions of participants. All contributions were thoroughly reviewed by external reviewers, to whom we want to express our thanks for their valuable and important work.

The present volume is dedicated to the memory of Prof. Konrad Bajer who passed away in Warsaw on August 29, 2014.

Oldenburg, Germany  
Oldenburg, Germany  
Darmstadt, Germany  
Darmstadt, Germany  
Forlì, Italy

Joachim Peinke  
Gerrit Kampers  
Martin Oberlack  
Marta Waławczyk  
Alessandro Talamelli

Progress in Turbulence VI

Proceedings of the iTi Conference on Turbulence 2014

Peinke, J.; Kampers, G.; Oberlack, M.; Waćławczyk, M.;

Talamelli, A. (Eds.)

2016, XIII, 315 p. 140 illus., 53 illus. in color., Hardcover

ISBN: 978-3-319-29129-1