

## Acknowledgments

This book has benefited from the comments and suggestions of many alert students over the years. If you are among them, thank you. Thanks to our colleagues Steve Thorpe, Eyal Heifetz, Alexis Kaminski, Anirban Guha, and Mihir Shete for reading chapters prior to publication. There is yet room for improvement – if you find something wrong or unclear, please let us know.

From Bill Smyth: Grateful thanks to my mentor Dick Peltier for inspiring my interest in flow physics, to my parents, Bill and Barbara Smyth, for their unwavering support, and to my wife Rita Brown for tolerating my nonexistence during this project.

From Jeff Carpenter: Thanks to my parents, Keith and Judy Carpenter, for their patience and for doing such a great job, and to my wife Martina for all the sacrifices she has made for me.

This project was funded by the US National Science Foundation under grant OCE-1537000 to William Smyth and through the Helmholtz Association's PACES II program for Jeffrey Carpenter, who is also grateful for support from the Collaborative Research Centre TRR 181 "Energy Transfers in Atmosphere and Ocean" funded by the German Research Foundation.

