Preface

This book provides an introduction to the theory of pullback attractors for non-autonomous dynamical systems, with an emphasis on the infinite-dimensional case. It arose from the enjoyable experience we had of working together on these problems and our resulting desire to provide a sustained exposition of the foundations of the theory. Early on in our writing (Spring 2009) we were fortunate to be offered the hospitality of the Ennio De Giorgi Centre for Mathematical Research, and this provided a very comfortable working environment and a valuable impetus to our efforts.

Throughout the writing of this book we have been encouraged by Achi Dosanjh at Springer, who has been very helpful and extremely patient, and we have also received valuable LaTeX assistance from Springer's Rajiv Monsurate. We would also like to thank Springer's reviewers, whose helpful comments led to many improvements, as did the suggestions of Éder Ritis Aragão-Costa and Matheus Cheque Bortolan, who read parts of the manuscript during its preparation. Peter Kloeden and Martin Rasmussen very kindly kept us up to date with their progress on their book *Nonautonomous Dynamical Systems* (2011), which enabled us to prevent duplication of their material.

We would like to acknowledge all those with whom we have collaborated in this area, in particular José Arrieta, Tomás Caraballo, Jan Cholewa, Tomasz Dłotko, Peter Kloeden, Pedro Marín-Rubio, José Real, Felipe Rivero, Aníbal Rodríguez-Bernal, Antonio Suárez, and Alejandro Vidal-López. Many others, too numerous to mention by name, have influenced and inspired us over the years.

In January 2012 we lost José Real, a warm-hearted friend and much valued colleague. We would all like to take this opportunity to pay tribute to him.

Attractors for infinite-dimensional non-autonomous
dynamical systems
Nolasco de Carvalho, A.; Langa Rosado, J.A.; Robinson,
J.