

PREFACE

The Workshop on *Computational Prospects of Infinity* was held at the Institute for Mathematical Sciences, National University of Singapore, from 20 June to 15 August 2005.

The focus in the first month of the Workshop was on set theory, with two tutorials running in parallel, by John Steel (“Derived Models Associated to Mice”) and W. Hugh Woodin (“Suitable Extender Sequences”). There were also 21 talks given during this period. The second half of the Workshop was devoted to recursion theory, with two tutorials given respectively by Rod Downey (“Five Lectures on Algorithmic Randomness”) and Ted Slaman (“Definability of the Turing Jump”). In addition, there were 42 talks delivered over four weeks.

This volume constitutes Part II of the *proceedings* of the Workshop. It contains refereed articles, both contributed and invited, based on talks presented at the Workshop. Written versions of the tutorials are collected in Part I of the *proceedings* which appears as a separate volume.

The workshop provided a platform for researchers in the logic community from many parts of the world to meet in Singapore, to discuss mathematics and to experience a city that is a meeting point of East and West. We thank the Department of Mathematics and the Institute for Mathematical Sciences at the National University of Singapore for their support and hospitality extended to all participants.

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