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### Preface

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## Preface

The INFINITY workshops aim at providing a forum for researchers interested in the development of mathematical techniques for the analysis and verification of systems with infinitely many states.

Infinite-state systems have been used to model many different features of real-life systems: recursive behaviors, unbounded data, time and probabilities, protocols with arbitrary number of participants, etc. The number of application domains is large, and researchers from these different fields need opportunities for exchanging ideas, techniques and results.

This volume contains the proceedings of INFINITY 2004 (the 6th workshop in the series) which was held in London on 4 September 2004, as a satellite of the CONCUR 2004 conference. It includes the eight papers (of eleven submissions) that were selected for presentation by the programme committee, together with a paper from the invited talk by Ranko Lazić.

We should like to thank the authors who submitted papers, the invited speaker, the other members of the programme committee (Christel Baier, Antonín Kučera, Philippe Schnoebelen and Willem Visser) and all the anonymous referees who helped us to build a very interesting programme for the workshop.

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Faron Moller*