Foreword

MOVEP 2000 was the fourth summer school in the series of MOVEP summer schools (MOdeling and VErification of Parallel processes), and was organized jointly by IRCCyN, IRISA, LRI (France), and the University of Birmingham (UK). It was held in Nantes, France on 19–23 June 2000 and continued the success of the first three MOVEP summer schools held in 1994, 1996, and 1998. MOVEP was originally a French-speaking school and was initiated by A. Arnold (LaBRI, Bordeaux), J. Beauquier (LRI, Orsay), and O. Roux (IRCCyN, Nantes) in 1994. MOVEP adopted English as its working language in 2000.

MOVEP is a school devoted to the wide area of modeling and verifying software or hardware systems. The goal of MOVEP is to gather students, academic researchers, and industrial researchers interested in the development of safety critical systems and to provide a forum for discussion among people from computer science and automatic control. More than 100 people from Europe, North America, North Africa, and India attended MOVEP 2000.

This volume contains tutorials and annotated bibliographies covering the main subjects adressed at MOVEP 2000. It gives a snapshot of the recent developments in the domain as well as a useful introduction to many subjects.

The volume contains four tutorials comprising introductory material to *Model-Checking*, *Theorem Proving*, *Composition and Abstraction Techniques*, and *Timed Systems* (with UPPAAL).

Three research papers give some more detailed views of High-Level Message Sequence Charts, Industrial Applications of Model-Checking, and the use of Formal Methods in Security.

Finally, four annotated bibliographies give an overview of Infinite State-Space Systems, Testing Transition Systems, Fault-Model-Driven Test Derivation, and Mobile Processes.

The organizers of MOVEP 2000 would like to thank all the contributors for their commitment during the school and for their papers in this volume.

It is a great pleasure for us to be the editors of this *LNCS Tutorials* volume and we hope to meet for the next MOVEP in June 2002.

April 2001   F. Cassez, C. Jard, B. Rozoy and M. Ryan

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