Preface

Various classes of computational models, languages, and formalisms have emerged in the aim of providing high-level descriptions of concurrent, distributed, and mobile systems. Typical examples include so-called coordination languages and models (e.g. Gamma, Linda, Manifold, Reo, Klaim, Lime), concurrent constraint languages (e.g. cc languages, Mozart) and process algebras (e.g. CSP, CCS, π-calculus).

These models are based on generative communication via a shared data space or on data communication through channels. In both cases, software components are typically conceived in isolation assuming that the required data will eventually be available. However, making a whole system out of these components and, in particular, ensuring that interactions occur properly is far from being obvious. The aim of the workshop was precisely to bring together researchers, working in different communities (coordination, constraints, process algebras) on methods and tools for the construction of concurrent, distributed and mobile systems.

These are the preliminary proceedings of the 1st International Workshop on Methods and Tools for Coordinating Concurrent, Distributed and Mobile Systems (MTCoord 2005) held in Namur, Belgium on 23 April 2005 as a satellite event to the 7th International Conference on Coordination Models and Languages (Coordination 2005).

The workshop programme consisted of the invited talk by Axel Legay on Omega-Regular Model Checking and of 8 regular papers accepted by the following programme committee:

Ivana Černá (Masaryk University, Czech Republic), Rance Cleaveland (State University of New York at Stony Brook, USA), Giorgio Delzanno (University of Genova, Italy), Wan Fokkink (CWI, The Netherlands), Jean-Marie Jacquet (University of Namur, Belgium), Marta Kwiatkowska (University of Birmingham, United Kingdom), Angelika Mader (University of Twente, The

Netherlands), Andreas Podelski (Max Plank Institute, Germany), Kaisa Sere (Abo Akademi University, Finland), Peter Van Roy (University of Louvain-la-Neuve, Belgium), Mirko Viroli (Alma Mater Studiorum Universit di Bologna a Cesena, Italy)

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Lubos Brim
Isabelle Linden
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