Preface

This volume contains the proceedings of the Bytecode 2007 workshop, the Second Workshop on Bytecode Semantics, Verification, Analysis and Transformation, held in Braga, Portugal, on the 31st of March 2007 as part of ETAPS 2007.

Bytecode, such as produced by e.g. Java and .NET compilers, has become an important topic of interest, both for industry and academia. The industrial interest stems from the fact that bytecode is typically used for the Internet and mobile devices (smartcards, phones, etc.), where security is a major issue. Moreover, bytecode is device-independent and allows dynamic loading of classes, which provides an extra challenge for the application of formal methods. In addition, the unstructuredness of the code and the pervasive presence of the operand stack also provide extra challenges for the analysis of bytecode.

This workshop focuses on the latest developments in the semantics, verification, analysis, and transformation of bytecode; encompassing both new theoretical results and tool demonstrations.

As the workshop chairs, we would like to thank the program committee, Frédéric Besson, Etienne Gagnon, Samir Genaim, Francesco Logozzo, Peter Müller, Erik Poll and Jan Vitek whose invaluable help and enthusiasm ensured the success of the event. We would also like to thank all anonymous referees, for their hard work, particularly as much of this had to be done over their Christmas holidays.

Marieke Huisman
Fausto Spoto