Preface

This volume contains the papers presented at the Sixth International Conference on
Verified Software: Theories, Tool and Experiments (VSTTE), which was held in
Vienna, Austria, during July 17–18, 2014, as part of the Vienna Summer of Logic. The
final version of the papers was prepared by the authors after the event took place, which
has permitted them to take feedback received at the meeting into account.

VSTTE has originated from the Verified Software Initiative (VSI), which is an
international initiative directed at the scientific challenges of large-scale software
verification. The inaugural VSTTE conference was held at ETH Zurich in October
2005, and was followed by VSTTE 2008 in Toronto, VSTTE 2010 in Edinburgh,
VSTTE 2012 in Philadelphia, and VSTTE 2013 in Menlo Park. The goal of the VSTTE
conference is to advance the state of the art through the interaction of theory devel-
opment, tool evolution, and experimental validation.

The call for papers for VSTTE 2014 has solicited submissions describing significant
advances in the production of verified software, i.e., software that has been proved to
meet its functional specifications. We are especially interested in submissions
describing large-scale verification efforts that involve collaboration, theory unification,
tool integration, and formalized domain knowledge. We welcome papers describing
novel experiments and case studies evaluating verification techniques and technologies.

There were 34 submissions. Each submission was reviewed by at least two, and on
average 3.3, members of the Program Committee. The committee decided to accept 17
papers. The program has also included two invited talks, given by Orna Grumberg
(Technion) and Michael Whalen (University of Minnesota), and a presentation on the
2014 Verified Software Competition organized by Ernie Cohen, Marcelo Frias, Peter
Mueller, and Natarajan Shankar.

We would like to thank the invited speakers and all submitting authors for their
contributions to the program. We owe a lot to Natarajan Shankar, who took care of all
organization, Elizabeth Polgreen for managing the website and the proceedings, Leo
Freitas (Publicity Chair), and Martina Seidl (CAV Workshop Chair). Finally, we would
like to thank the external reviewers and the Program Committee for their reviews and
for selecting the papers that appear in this volume.

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