

Preface

This volume contains the papers presented at VeriSure 2014, held in Vienna on 23 July 2014 under the auspices of the Conference on Computer-Aided Verification (CAV) as part of the Vienna Summer of Logic.

The purpose of VeriSure is to explore issues at the conjunction of computer-aided verification and system assurance: roughly speaking, “mechanized proofs meet safety cases.”

This is the second VeriSure Workshop; the first was held in conjunction with CAV in St. Petersburg in July 2013. We hope to make it an annual event featuring position papers, experience reports, and research papers on topics such as the following.

- Quantitative and qualitative assurance claims and arguments
- Verification and proof in relation to argumentation and defeasibility
- Integration of formal verification with assurance and with assurance cases
- Modular and incremental methods of verification and assurance
- Toolchains for integrated assurance arguments
- Soundness guarantees for tools, toolchains, and workflows
- Certification and regulatory requirements and standards
- Experience reports and challenges

VeriSure is a workshop, not a conference, so we allocate ample time for discussion, and the papers are intended as spurs to discussion and thought rather than reports of finished work. We hope you enjoy reading the proceedings in this spirit.

For news of future VeriSure events, keep an eye on <http://fm.csl.sri.com/verisure>.

The workshop was managed, and its program and proceedings generated, using the commendable EasyChair service.

10 June 2014
Menlo Park

John Rushby