Preface


VMCAI provides a forum for researchers from the communities of verification, model checking, and abstract interpretation, facilitating interaction, cross-fertilization, and advancement of hybrid methods that combine these and related areas. VMCAI topics include: program verification, model checking, abstract interpretation and abstract domains, program synthesis, static analysis, type systems, deductive methods, program certification, debugging techniques, program transformation, optimization, hybrid and cyber-physical systems.

This year the conference attracted 89 abstract submission leading to 67 full-paper submissions. Each submission was reviewed by at least three Program Committee members. The committee decided to accept 24 papers. The principal selection criteria were relevance, quality, and originality. We are glad to include in the proceedings the contributions of three invited keynote speakers: Peter Müller on “Viper — A Verification Infrastructure for Permission-based Reasoning,” Bryan Parno on “Ironclad — Full Verification of Complex Systems,” and Thomas Reps on “Automating Abstract Interpretation.” We would like to thank them for sharing their insights with us through their talks and articles contributed to the proceedings.

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