

Hardware and Software: Verification and Testing

4th International Haifa Verification Conference, HVC 2008, Haifa, Israel, October 27-30, 2008, Revised Selected Papers

These are the conference proceedings of the 4th Haifa Verification Conference, held October 27–30, 2008 in Haifa, Israel. This international conference is a unique venue that brings together leading researchers and practitioners of both formal and dynamic verification, for both hardware and software systems. This year's conference extended the successes of the previous years, with a large jump in the number of submitted papers. We received 49 total submissions, with many more high-quality papers than we had room to accept. Submissions came from 19 different countries, reflecting the growing international visibility of the conference. Of the 49 submissions, 43 were regular papers, 2 of which were later withdrawn, and 6 were tool papers. After a rigorous review process, in which each paper received at least four independent reviews from the distinguished Program Committee, we accepted 12 regular papers and 4 tool papers for presentation at the conference and inclusion in this volume. These numbers give acceptance rates of 29% for regular papers and 67% for tool papers (34% combined) — comparable to the elite, much older, conferences in the field. A Best Paper Award, selected on the basis of the reviews and scores from the Program Committee, was presented to Edmund Clarke, Alexandre Donzé, and Axel Legay for their paper entitled "Statistical Model Checking of Mixed-Analog Circuits with an Application to a Third-Order Delta-Sigma Modulator." The refereed program was complemented by an outstanding program of invited talks, panels, and special sessions from prominent leaders in the field.

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