Preface
MTV 2012

The papers presented in this book have been revised from the original submissions to the 13th International workshop on Microprocessor Test and Verification (MTV), held in Austin, Texas in December 2012.

The topic area, applications of verification, validation and test to complex electronic circuits at all levels, has blossomed considerably since the first workshop was held in 1999. The scope of the workshop has expanded beyond just microprocessors to include all types of complex integrated circuits and Systems-on-Chip (SOCs). The 2012 workshop was certainly the most successful one of the series so far, and we would like to thank all participants who contributed to this event.

Functional verification remains a key challenge facing designers of complex SOCs and microprocessors. This is reflected in large number of papers in this year’s MTV. These papers discuss issues related to debug, architecture validation, validation test, system level validation and test, formal verification, coverage, and SoC verification. This year’s MTV had a keynote, three invited talks and three panels.

MTV 2012 was very well attended by more than 70 attendees. The workshop had a 3-day format with 2 full days of presentations plus a tutorial day. The tutorial was offered at no cost to the MTV registered attendees. MTV also incorporated a joint speaker-lunch meeting on the 3rd day of the workshop in co-operation with the DV club of Austin.

To encourage industrial experts to openly discuss the current practice, we did not request written papers for publication for every presentation. Hence, this proceeding includes only the selected papers contributed by the authors and presenters. We will continue to adopt this strategy in order to encourage industrial participants to share their experience and results via the MTV forum. Interested readers who want to learn more about the current industrial practice can consult the MTV web site http://mtvcon.org/ for future events or can send an email to any of the MTV organizing committee.

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