CfP: Twelfth Haifa Verification Conference 2016 (HVC2016)

Submitted by Anonymous on Wed, 07/06/2016 - 11:02am

CALL FOR PAPERS

Twelfth Haifa Verification Conference 2016 (HVC 2016)

November 14 - 17, 2016 | Haifa, Israel |
Tutorials: November 14, 2016

Organized by IBM Research - Haifa

HVC Facebook page

HVC 2016 is an annual conference dedicated to advancing the state-of-the-art and state-of-the-practice in verification and testing. At the conference, researchers and practitioners from academia and industry network, share ideas, and ponder the future directions of testing and verification for hardware, software, and complex hybrid systems.

The common goal of the conference topics and participants is to ensure the correct functionality and performance of complex systems. HVC is the only conference that brings together experts from all verification and testing sub-fields, thereby encouraging the migration of methods and ideas among domains.

HVC 2016 invites the submission of technical papers reporting original research and experience results in all sub-fields of testing and verification applicable to software and hardware. The conference will involve the presentation of peer-reviewed, original technical papers, as well as lectures by guests from industry and academia.

The conference proceedings will be published in Springer's Lecture Notes in Computer Science series (LNCS), and handed out in digital format to registered guests of the conference.

Important dates:

- Paper submission deadline: July 14, 2016 - 11.59 pm GMT
- Author acceptance notification: September 5, 2016
- Final manuscripts due: September 16, 2016
- Poster submission deadline: September 30 - 11.59 pm GMT
Conference: November 14 - 17, 2016
Tutorials: November 14, 2016

Topics of interest to the conference include, but are not limited to:

- Simulation-based verification
- Formal and semi-formal specification, modeling, and verification
- Functional and non-functional software testing
- Software and hardware equivalence checking
- SAT/SMT-based verification algorithms
- Static analysis
- Model checking
- High-level stimuli generation
- Hardware/software co-verification
- Triage and debug technologies
- Post-silicon validation including emulation and acceleration
- Coverage analysis and test minimization
- Testing of mobile and cloud applications
- Software artifacts review and inspection
- Test planning
- Empirical studies on hardware and software quality
- Security verification
- Machine learning techniques for verification

Submission:
Detailed instructions for electronic submission can be found in the HVC conference web site. For additional information regarding paper submissions please contact the Program Chair Roderick Bloem.

Venue:
The lovely city of Haifa resides on a mountain overlooking the Mediterranean Sea, and is home to Jews, Muslims, and Christians. Haifa is also the world center of the Baha’i faith, and the wondrous Baha’i gardens are a must-see attraction. The conference will be held at IBM Research - Haifa, situated at the top of the Carmel mountains.

Student grants:
We anticipate a number of student grants to cover part of the travel expenses for full-time students who are authors of accepted papers. Precedence in allocation of these travel grants will be to students who are also presenting a poster at the conference.

General Chair:
Eli Arbel (arbel@il.ibm.com)

Program Chair:
Roderick Bloem (roderick.bloem@iaik.tugraz.at)

Local Organization:
Revivit Yankovich (revivity@il.ibm.com)

Publicity Chair:
Tali Rabetti (talis@il.ibm.com)

Tutorial chair:
Natasha Sharygina (natasha.sharygina@usi.ch)

For more information, please refer to HVC2016 web page:


? CfP: Brazilian Symposium on Formal Methods (SBMF2016) First Call for Papers: FSEN 2017 ?

Call for Papers Hybrid Models Testing Modeling Science of Security Simulation Validation and Verification Foundations