General Message from the Workshop Organizers – IWCT

We invite you to the 4th International Workshop on Combinatorial Testing (IWCT 2015), which is organized in conjunction with the IEEE International Conference on Software Testing, Verification and Validation (ICST 2015). After successful editions in Montreal (2012), Luxembourg (2013), and Cleveland (2014), the fourth edition is scheduled for April 13th 2015 in Graz.

IWCT focuses on many aspect of combinatorial testing including the following: combinatorial testing language and process, applications, finding faults, test generation, constraints handling, and input parameter modeling. The workshop brings together practitioners and researchers that propose novel models, methods, and algorithms for combinatorial interaction testing. The following word cloud taken from the titles of the accepted papers, gives a rapid overview of the subjects presented in the workshop.

Classical themes, like test generation, still have a great attention in the program, but new ideas and applications are discussed as well.

IWCT2015 received 30 submissions out of which the Program Committee (PC) selected 15 papers (8 full research papers and 7 short papers), which is most that could be accommodated in a one day workshop. The large number of submissions indicates growing interest in combinatorial testing.

We acknowledge those who have made special contributions to IWCT 2015. We thank the members of PC for reviewing the submissions. We thank the IBM Haifa Research Laboratories for sponsoring IWCT since 2012.

We hope you will enjoy IWCT 2015 and the ICST 2015 conference.

Angelo Gargantini - University of Bergamo, Italy
Jacek Czerwonka - Microsoft Research, USA
Raghu Kacker - NIST, USA
Richard Kuhn - NIST, USA
Yu Lei - University of Texas at Arlington, USA
Itai Segall - Bell-labs, Israel
IWCT 2015 Team

Organizing Committee
Jacek Czerwonka, Microsoft Research, USA
Angelo Gargantini, University of Bergamo, Italy
Raghu Kacker, NIST, Gaithersburg, MD USA
Richard Kuhn, NIST, Gaithersburg, MD USA
Yu Lei, University of Texas Arlington, USA
Itai Segall, Alcatel-Lucent Bell Labs, Tel Aviv, Israel

Program Committee
Renee Bryce, University of North Texas, USA
Andrea Calvagna, University of Catania, Italy
Myra Cohen, University of Nebraska-Lincoln, USA
Charles Colbourn, Arizona State University, USA
Norikazu Ichida, Toshiba, Japan
Changhai Nie, Department of Computer Science and Technology, Nanjing University, China
Mike Papadakis, University of Luxembourg
Xiao Qu, ABB Corporate Research, USA
Krishnan Rangarajan, Dayananda Sagar College of Engineering, Bengaluru, India
Sreedevi Sampath, University of Maryland, Baltimore County; USA
Dimitris Simos, SBA Research, Wien, Austria
Jose Torres-Jimenez, Parque Científico y Tecnológico TECNOTAM, México
Rachel Tzoref-Brill, IBM Haifa Research Laboratory, Israel
Jun Yan, Chinese Academy of Sciences, China
Linbin Yu, Facebook, USA
Jian Zhang, Institute of Software, Chinese Academy of Sciences, China
Peter Zimmerer, Siemens AG, Germany

Additional reviewers
Bernhard Garn, SBA Research, Wien, Austria
Paolo Vavassori, University of Bergamo, Italy