Technical Sessions: Refereed papers

Session 1.1:  
Modeling and design
Chair: Irit Hadar, Haifa University, Israel

In this session modeling and design are examined through the following three methods: domain-specific modeling methods which drive modeling languages for specific domains with strong emphasis on visual tools; a methodology that leads the builder of a discrete event simulation through all the aspects of the modeling; and a suite of modeling tools based on the Object-Process Methodology (OPM).

Papers
- Integrating Domain-Specific Programming into Software Design, Uri Shani and Aviad Sela.
- Round-Trip Modeling Using OPM/PL, Mayer Goldberg and Guy Wiener.

Session 1.2:  
Algorithms
Chair: Amir Tomer, Technion, Israel

In this session three problems are addressed: The problem of multi-master setup for clusters running PROOF, which is a master-worker based framework used at CERN, preferably for analysis of high energy physics data; a pattern-based approach to support monitor adaptation: adaptation of monitor rules used by a monitor tool; and models for formalizing the event-related features commonly found in Distributed Event-Based Systems.

Papers
- Dynamic Setup for Clusters with Multi-Master Architecture, Katerina Opocenska, Jakub Yaghob and Filip Zavoral.
- A Pattern-based Approach for Monitor Adaptation, Andrea Zisman and Ricardo Contreras.
- Distributed Event-Based System Features: Representation and Reasoning, Rolando Blanco and Paulo Alencar.
Session 2.1:
Methodologies
Chair: Shai Koenig, The Open University of Israel & Comverse, Israel

In this session, software development methodologies are examined from two main perspectives. The first two presentations address system engineering projects. Specifically, the first paper describes the application of the agile software development approach in system engineering projects; the second paper discusses the requirements management process in such projects. The third paper presents a model which combines into a single, continuous partially ordered set, all types of specifications, such as requirement specifications, design specifications and the program code.

Papers:
- Reuse of Requirements Reduces Time to Market, Leah Goldin, Michal Matalon and Judith Lapid.

Session 2.2:
Ethics in Software Engineering
Moderator: Jeffrey Kramer Co-Chair Program Committee, Imperial College, London, UK

In this section, the best paper – Ethics Test Results Before and After Ethics Training: A Disturbing Experience, by Daniel M. Berry and Brian Berenbach – is presented. In addition, a panel will be included in this section.

Best Paper:
Ethics Test Results Before and After Ethics Training: A Disturbing Experience, Daniel M. Berry and Brian Berenbach.

Panelists:
Yishai Feldman, IBM Research — Haifa
Daniela Raijman, Google Israel R&D Center
Miri Yemini, Shamoon College of Engineering