2014 IEEE International Conference on Software Science, Technology and Engineering

(SWSTE 2014)

Ramat Gan, Israel
11 – 12 June 2014
Welcome from the Software Summit — SWSTE 2014
Message from the Chair of the Israeli Chapter of the IEEE
About ILTAM — The Israeli Users' Association of Advanced Technologies in High-Tech Integrated Systems
SWSTE 2014 Committees
SWSTE 2014 Reviewers
Sponsors

Reliability, Resilience, and Security
Incorporating Service Degradations into a Security Plan
Gertrude Neuman Levine
Software Proactive Reengineering for System Resilience to Misuse
Leah Goldin, Reuven Gallant, and Iaakov Exman
Reputation Prediction of Anomaly Detection Algorithms for Reliable System
Guy Leshem, Esther David, Michal Chalamish, and Dana Shapira

Data on the Internet and the Web
Perspectives on Open Data: Issues and Opportunities
Donald Cowan, Paulo Alencar, and Fred McGarry
Session Peering Provisioning Framework Analysis
Yoram Haddad, Mickael Marrache, Samuel Melloul, and David Schwartz
Evaluating Website Quality by Addressing Quality Gaps: A Modular Process
Luisa Mich
Human Health Care Assisted by Machine Learning

Computational Diagnosis of Parkinson’s Disease Directly from Natural Speech Using Machine Learning Techniques ..................................................................................................................50
  Alex Frid, Hananel Hazan, Dan Hilu, Larry Manevitz, Lorraine O. Ramig, and Shimon Sapir

Learning Methods for Rating the Difficulty of Reading Comprehension Questions .................................................................................................................................54
  Dorit Hutzler, Esther David, Mireille Avigal, and Rina Azoulay

Towards Classifying Human Phonemes without Encodings via Spatiotemporal Liquid State Machines: Extended Abstract ..................................................................................................................63
  Alex Frid, Hananel Hazan, and Larry Manevitz

Using Data Mining to Help Detect Dysplasia: Extended Abstract ..................................................................................................................................................65
  Avi Rosenfeld, Vinay Sehgal, David G. Graham, Matthew R. Banks, Rehan J. Haidry,
  and Laurence B. Lovat

Software Engineering Methods

Lessons Learned from and for Requirements Engineering and Building Construction: A Case Study of Requirements Engineering for a Synagogue Kitchen with Use Cases and Scenarios ...........................................................................................................................67
  Cyril Mauger and Daniel M. Berry

Modeling Software Agent Awareness of Physical-Informatical Essence Duality ........................................................................................................................................77
  Yaniv Mordecai, Ori Orhof, and Dov Dori

Defining Object-Process Methodology in Web Ontology Language for Semantic Mediation ...........................................................................................................................................87
  Shmuela Jacobs, Niva Wengrowicz, and Dov Dori

Author Index .................................................................................................................................................................................96