IWPD 2012 Technical Program

Session I: Fault Localization

1. Program Debugging with Effective Software Fault Localization
   W. Eric Wong (invited talk)

2. The Effect of Testability on Fault Proneness: A case study of the
   Apache HTTP Server
   Mark Hays and Jane Hayes

3. Debugging Spreadsheets: A CSP-based Approach
   Rui Abreu, André Riboira and Franz Wotawa

Session II: Debugging and Dynamic Analysis

1. Detection of interferences in aspect-oriented programs using
   executable assertions
   Jimmy Lauret, Jean-Charles Fabre and Helene Waeselynck

2. A Topology-based Model for Estimating the Diagnostic Efficiency
   of Statistics-based Approaches
   Alexandre Perez, André Riboira and Rui Abreu

3. Predicting Data Dependences for Slice Inspection Prioritization
   Yiji Zhang and Raul Santelices

Session III: Debugging and Static Analysis

1. A Static Detecting Model for Invalid Arithmetic Operation
   Based on Alias Analysis
   Zhou Hongbo, Wang Qian, Jin Dahai and Gong Yunzhan

2. Wielding Statistical Fault Localization Statistically
   Yunqian Zhang, Lin Chen, Bo Jiang and Zhenyu Zhang

3. Baggy Bounds with Accurate Checking
   Baozeng Ding, Yeping He, Yanjun Wu, Alex Miller and John Criswell