AGENDA

Location: UC Irvine

Thursday Nov 21, 2013
7:30pm - 9:30pm Get together, Dinner

Friday Nov 22, 2013
8:00am - 9:00am: Breakfast
9:00am - 9:30am: “Review of Expeditions Interactions”, Rajesh Gupta, UCSD

Session 1: Coping with Variability
9:30am - 9:50am: “Variability-Aware OpenMP”, Abbas Rahimi, UCSD
9:50am - 10:10am: “Gallager B LDPC Decoder with Transient and Permanent Errors”, Sean Huang, UCLA
10:10am - 10:30am: “Low Power, Low Storage Overhead Chipkill Correct via Multi-ECC”, Xun Jian, Illinois
10:30am - 10:40am: Break

Session 2: Sensing, Characterization, and Emulation
10:40am - 11:00am: “VarEMU: An Emulation Testbed for Variability”, Lucas Wanner, UCLA
11:00am - 11:20am: “Slackprobe: Low Overhead In-Situ Performance Monitoring”, Liangzhen Lai, UCLA
11:40am - 12:00pm: Poster session introduction

12:00pm - 1:30 pm: Poster session and Lunch
1:30pm - 2:30pm: Invited Speaker: Tanay Karnik, Intel

Session 3: Discussion on Platforms and Highlights of Recent and Ongoing Efforts
2:30pm - 3:00pm: Ferrari Board: results and discussion led by Liangzhen Lai and Puneet Gupta, UCLA
3:00pm - 3:30pm: LEON3 Platform: discussion led by Steve Swanson, UCSD
3:30pm - 3:45pm: ARGO: Aging-aware GPGPU Register File Allocation”, Majid Shoushtari, UCI
3:45pm - 4:00pm: Fault-tolerant caches, Mark Gottscho, UCLA
4:00pm - 5:00pm: Open Questions & Post-Expedition Ideas: discussion led by Rajesh Gupta
Saturday Nov 23, 2013

8:00am - 9:00am: Breakfast

Session 1
9:00am - 9:35am: "Overview of SPP1500", Joerg Henkel, KIT
9:35am - 10:10am: "Hardware Resilience", Mehdi Tahoori, KIT
Representing projects: Ambrosia, PERICES, LIFT, OTERA

10:10am - 10:30am: Break + Poster Discussions

Session 2
10:30am - 11:05am: "OS and Application Reliability" Peter Marwedel, TU Dortmund
Representing projects: FEHLER, Astroid, DanceOS
11:05am - 11:40am: "Reliable Systems and Platforms", Norbert Wehn, TU Kaiserslautern
Representing projects: Get-SURE, MIMODES, ARES, VirTherm-3D

11:40am - 1:00pm: Poster session and Lunch

Session 3: Collaboration opportunities
1:00pm - 2:30pm: Breakout Session I
2:30pm - 3:00pm: Coffee Break and open discussions
3:00pm - 4:15pm: Breakout Session II
4:15pm - 4:30pm: Short Break
4:30pm - 5:30pm: Summary Session