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

11:20am - 11:40pm: "Quantitative Evaluation of Soft Error Injection Techniques", **Subhasish Mitra,** Stanford

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 - 1:00 pm: 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