

## WG 10.4 : Upcoming IBM sponsored/ contributing activities & research

- SELSE (System Effects of Logic Soft Errors) April 5& 6, 2005 UIUC [<http://www.crhc.uiuc.edu/SELSE>]
- 3P3AD (3<sup>rd</sup> Proactive Problem Prediction, Analysis and Determination Conference) April 26, 2005 Yorktown Hts., NY
- Autonomic Computing Benchmarking – Configuration Complexity [<http://www.research.ibm.com/PM/RC23146.pdf>]
- Autonomic Computing as originally conceived [[IEEE Computer, pp. 41-50, January 2003](#)]

Call for Participation  
Workshop on

# **System Effects of Logic Soft Errors**

University of Illinois at Urbana-Champaign, April 5th & 6th, 2005

- \* What are the metrics to describe LSER?
- \* How are the mitigation techniques chosen for a given design?
- \* How are the metrics used to select the mitigation technique?
  - \* How is system level derating predicted and measured?
- \* Are there favored techniques or will there in general be a combination of device, circuit and microarchitectural mitigation techniques for a given application?
- \* How does system level derating enter into the choice of mitigation techniques?
- \* What are the most significant LSER related findings from case studies?

# **3rd Proactive Problem Prediction, Avoidance, and Diagnosis Conference: Predictive Techniques for Self-healing and Performance Optimization**

April 26, 2005  
IBM Auditorium  
Yorktown Heights, NY

Anomaly detection and classification  
Performance and resource analysis  
Text mining and pattern/rule derivation  
Surveys of predictive techniques  
Machine learning and pattern recognition algorithms  
Correlation technology  
Performance Optimization  
Prediction of imminent field problems  
Financial Futures  
Portfolio value at risk analysis  
Log analysis  
Environmental and thermal analysis  
System configuration analysis