

Thursday, October 11, 2007

1:30 pm - 3:00 pm

Klaus Advanced Computing Bldg/Rm 1116

Dr. Andrew Chien

Vice President for Research, Intel Corporation

Title: Essential Computing: Is Inference the key ingredient?

Abstract: Intel Research's bold "Essential Computing" vision is focused on a leaping capability which will make our interactions with technology intuitive, helpful and robust. These next generation computing systems will move from task and utility-orientation to supporting the essence of our lives. A major challenge is to eliminate annoying, labor-intensive and fragile interactions. Is Inference the key ingredient to make this leap?



Friday, October 12, 2007

11:00 am - 12:30 pm

Klaus Advanced Computing Bldg/Rm 1116

Dr. Rich Friedrich

Director, Enterprise Systems and Software Laboratory, HP Labs

Title: Self-managing Data Centers: The Information Engine for Next Generation Internet Applications

Abstract: We stand upon the threshold of a new wave of resource intensive Internet applications ala youtube and mspace: mashups, user generated content, dynamic service composition, and streaming media to name but a few of the enabling technologies. What are the technical and economic implications on the information engines necessary to power these dynamic and distributed applications? Based on our research findings on 1000+ processor utility computing testbeds, we will describe the state of the art in large scale internet data centers that monitor and maintain themselves using virtualization and automation, ensure trust of applications and data, and use half as much power to cool and operate. We will then describe some of the most pressing research questions generated by this move to next generation Internet applications.

