The Florida Tech Computing Alliance
Minutes of the Meeting May 27, 2004 *

Department of Computer Sciences

Attending: Dr. Dwayne McCay, Dr. Robert Sullivan, Dr. Fred Ham. CS Faculty: Dr. William Shoaff, Bill Allen, Pat Bond, Phil Chan, Richard Ford, Cem Kaner, Debasis Mitra, Kamel Rekab and Eraldo Ribeiro, guest James Bach. CA: Members Monte Hancock (Essex), Alex Soya (Logan Industries), Steve Lindsey (Sun Microsystems), Brandon McMillon (Microsoft), Linda Smeraglinolo (Harris), Brian Willard (Northrop-Grumman). Staff: Karen Brown and Carole Finnie.

- Dr. Ham discussed the research information for the College of Engineering, pointing out that the Computer Science department has approximately 50% of the 5.5 million dollars in research expenditures. There are 75 faculty participating in research within the College of Engineering.

- Dr. Sullivan expanded the information to campus wide. The university currently has 27 to 28 million in active contracts with expenditures between 8.5 and 9 million dollars with 210 participating faculty. There are 60 - 70 in Sponsored Programs. The university is attempting to reach 30 million in the next eight years. Florida Tech currently has 24 patents.

- Dr. McCay alluded to a new School of Computing. He is dedicated to providing a research and computing infrastructure and recruiting additional outstanding faculty. We will participate in the LAMBDA Rail project. Suggested a research plan for all students. In our long term, high value corporate partnerships the overhead is negotiable if it is of long term benefit to the university. Funded research is important to faculty and to our students.

- Undergraduate enrollment is down nationally 23%, COE is down 15%. Additionally, graduate enrollment deposits are up 46%. COE is up.

- The meeting proceeded with the individual Centers presenting a summary of who they are, what they do and ultimately accomplish.

*Minutes are available on line at http://www.cs.fit.edu/GeneralInfo/alliance/minutes/springa04/*
Center for Information Assurance

Center for Software Testing Education and Research

Center of Computation and Intelligence  •  Lab for Learning Research
  •  Computer Vision Group
  •  Temporal Multidimensional Reasoning

Software Evolution Lab

Participants were asked to suggest research opportunities their individual companies might have that Florida Tech can participate in or collaborate on. What areas should or could we move to. Can they provide research projects?

Steve - SUN Microsystems  •  Real Time JAVA
  •  Software Systems Architecture - International Standards
  •  Utility Based Computing - resource sold / grid computing
  •  Third client Wireless
  •  Cross pollination - present at events

Brandon - Microsoft  •  Change RFP to be more specific
  –  Trustworthy computing
  –  Languages
  –  Embedded
  –  Platforms-Pedagogy
  •  Game programming
  •  Research Summit this summer

Monte - CSI (to become Essex)  •  Machine Learning
  •  Computational Intelligence
  •  Intrusion Detection
  •  Currently on some national committees and can suggest panelists for CSE
    –  ONR
    –  NSA - security clearance issues can be worked on
    –  GIG - Global Information Grid
    –  SEM images - extract image data
– Authorship of technical papers and books

Brian - Northrop Grumman  • Security
  • Multiple Levels of Security phase, CFiA
  • Autonomic Computing
  • Dynamic resource management
  • Net centricity
  • GIG - Global Information Grid
  • Graphic languages
  • SML - System Modeling Languages

Linda - Harris  • Not certain, checking for us.

Dr. Shoaff: Looking for projects for students:
  • Senior projects
  • Thesis work
  • Dissertation work
  • Security / Intellectual property

Some generic comments to assist us overall:
  • Have annual review
  • Internal review process for presentations prior to going public
  • Faculty outcomes - involve the students
  • Regional graduate conference for paper presentation
  • Database of:
    – Conferences
    – Standards
    – Abstracts
    – Drop-dead dates
  • Certification in testing
  • Journal - establish our own