Computer Science Advisory Board

Annual Board Meeting
April 26, 2013

Department of Computer Science
College of Science and Health
Agenda

- 12:00pm – 1:00pm: Lunch
- 1:00pm – 1:15pm: Welcome Remark (Dr. Kenneth Wolf)
- 1:15pm – 1:45pm: Program Highlights (Dr. Cyril S. Ku)
- 1:45pm – 2:15pm: Student Presentation (Mr. Eduardo Avila)
- 2:15pm – 2:30pm: Break
- 2:30pm – 3:00pm: Discussion: University Strategic Plan and Program Expansion
- 3:00pm – 3:30pm: Discussion: Alumni, Current Students, Advisory Board Interactions
Program Highlights

• New Faculty (Total Number of Faculty: 7)
  • Dr. Christopher S. Leberknight joined our department as an Assistant Professor
  • Expert in networking, data mining, social computing, usability engineering (technology acceptance)
  • Established CRESCENT (Center for Research in Social Computing and Emerging Network Technologies) lab in SCIE 5035 with start-up fund

• CS Major Enrollment (Fall Semesters)
  • 2008 (117 students), 2009 (118 students), 2010 (144 students), 2011 (172 students), 2012 (197 students) - % changed: 68.4%

• CIT Major
  • Approved by Faculty Senate
  • Consultant hired and issued an excellent report
  • Working on program announcement for Board of Trustees and State approvals
  • Scheduled program start date: Spring 2014
Program Highlights (Cont’d)

• ABET Re-accreditation
  • Team visit in Fall 2013; self-study report due on July 1st

• Relationship with UPS Information Systems
  • This semester: 3 internships, 1 full-time hired; 1 forum was held at UPS facility
  • Summer program for outstanding high school students (for CPE but our faculty teaches some of the courses)
  • Lecture Series ($10,000 per year) starts in Fall 2013
  • Scholarships for CIT students when CIT program has been implemented
Program Highlights (Cont’d)

• Student Research Activities

• More than 6 students involved in research, 3 of them paid by Student Worker Funds of the College of Science and Health; research assistantships have been requested as supplemental budget for next year

• 3 students participated in presentations at University Research & Scholarship Day and St. Joseph University Sigma Xi Student Research Symposium

• 3 lab assistants participated in various system administrative work


  (* Alumni, ** Current student)
Eduardo was born in Quetzaltenango, Guatemala in 1990. In 2001, at the age of 10, he migrated to the United States with his family. Eduardo struggled in his early years in the United States, as he did not speak English and was not familiar with the American culture. Eventually, he adapted and the United States became his new home.

Eduardo has been interested in computing since he was a child. In his childhood, his grandfather was a physics professor at the University of San Carlos de Guatemala, where he did work on a mainframe machine; often, he would bring Eduardo into his lab and he would try to teach Eduardo all about computing. Since then, Eduardo has immersed himself in the world of computing.

Eduardo has been involved with the Multicore Digital Signal Processing research project for a year and his work has shown fruition. He will graduate from William Paterson University with a B.S. in Computer Science in May.
Discussion Session:
University Strategic Plan and Program Expansion

• Please refer to William Paterson University Strategic Plan 2012-2022: designed to guide WPU in the next decade
• 5 core values for 5 strategic goals: academic excellence, creating knowledge, student success, diversity, and citizenship
• Program expansion:
  • Master program in CS/CIT (an exploratory report is being done)
  • Requested by alumni (e.g., employees at UPS Information Systems)
Discussion Session:
Alumni, Current Students, and
Advisory Board Interactions

• Ideas for Interactions
  • Seminar: implemented (e.g., 12 seminars in the last 6 years were presented by alumni or Advisory Board members)
  • Capstone course presentation: partially implemented
  • Major factors: time and schedule
• Advisory Board Membership (currently 8), need new members
THANK YOU