California State University, Sacramento
Department of Computer Science

Faculty Recent Activities

It is important to note that even though teaching is the primary responsibility of the faculty, the computer science faculty members are not only active in curriculum development and pedagogical innovations, but also actively engaged in a wide range of scholarly and professional development activities, contributing to faculty currency in the discipline:

- Publications (journal papers, conference papers, technical reports, books, book chapters, book editorship, journal editorship)
- Professional conference/event organizations
- Peer reviews
- Professional committees/boards
- Professional presentations
- Grants
- Grant proposals
- Proposals for software licenses
- Sabbatical leaves
- Conference, workshop, colloquium, seminar, course attendances (Conference attendances for paper presentations are included in publications)
- Professional certificates
- Research center
- Research collaborations
- Software development projects
- Research/study of latest technologies
- Supervision of MS project research (as project committee chair or member)

It is also noteworthy that, in recent years, the department has received the following nationally competitive awards:

- In 2007, the department was designated as a Center of Academic Excellence in Information Assurance and Security Education by the Department of Homeland Security and the National Security Agency for a period of five years. Through a rigorous renewal and recertification process, the department received the same designation in 2012.
- In 2009, the department received $75K funding from NSF for a project (2010-2014) on reimagining cryptography by identifying its culturally-rooted assumptions.
- In 2010, the department received about $1.2 million funding from NSF for a Scholarship for Service Program to educate and train 15 undergraduate and graduate students to

become information assurance and security professionals mainly for Federal and State governments. This NSF grant (2010-2015) also provides the department with funding support for faculty development. A proposal for this program renewal and expansion was submitted to NSF in October 2014. After a rigorous review process, the grant proposal for this program renewal and expansion was approved in July 2015. The total anticipated award is $2,904,651 for 2015-2020.

- In 2011, the department received $740K funding from NSF for a project (2011-2015) on game design to mentor K-12 educationally disadvantaged students in computer science and math.
- In 2013, the department received $150K funding from NSF for a project (2014-2018) on the development of authenticated encryption.

The computer science faculty has also received numerous grants in recent years from the following programs at the college level, the university level, and at the California State University system level:

- *Research and Creative Activity Grants* – These grants are designed as startup funding for faculty scholarly activities. The funding could be up to release time for two classes, two months summer salary, and $2500 (for travel and other expenses).
- *Pedagogy Enhancement Award* – This award is designed to fund improvement of teaching related activities. The funding is one class release time and $500 (for travel and other expenses).
- *President's UEI (University Enterprises Inc.) Faculty Grant Program* – This grant program funds faculty development. It could be up to $2,000 per faculty.
- *University Incentive Travel Fund* - The University Faculty Travel program has been revised and an increased allocation of funds has been distributed directly to the colleges in support of faculty travel and scholarly development. This travel fund is generated from the research incentive funds.
- *Probationary Faculty Development Grant Award* – This program reduces the teaching load for newly hired faculty by one class for the first two years and $500. This allows new faculty to develop their teaching and research.
- *Provost Research Incentive Fund Program* – This program provides $5000, or 3 units of release time, for faculty to develop an external research grant proposal.
- *New Faculty Research Startup Funding* – This recent program provides all newly hired assistant professors with $10,000 to establish their research.
- *CSUPERB Faculty Travel Grant* – This program, from the CSU system Chancellor's office, provides up to $1500 for travel expenses
- *Proven Course Redesign Grants and Promising Course Redesign Grants* – These recent programs, from the CSU system Chancellor's office, provide varying funding for redesigning existing STEM courses, or developing the pedagogical enhancements for such courses.