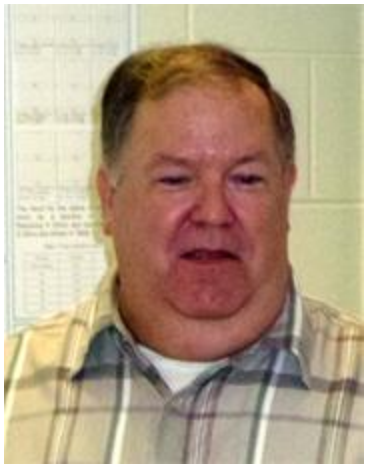
A Brief Report on UB's 2011 Faculty Research Day



UB Faculty Research Day, held on February 11, was an overwhelming success! Topics included numerous research projects with clinical and industry applications, such as wireless capsule imaging, nutritional interventions, global bank transparency, security and wireless networks, automated technologies for social networks, valuation methods for real options, solar panel and fuel cell applications, reverse logistics of pharmaceutical products, and wireless distance-verifying security systems. Best practices and educational innovations were also presented for STEM (Science, Technology, Engineering, and Mathematics) subjects, new assessment instruments for teacher attitudes toward inclusion, instructor evaluations, and high poverty student needs for academic success.

The event drew 170 registered faculty, students, administration, and members of UB's industry advisory boards. A total of 73 posters were displayed throughout the University Gallery in the Arnold Bernhard Arts and Humanities Center. Among the 88 posters, 44 were from the School of Engineering. Mohammad A. Karim, Ph.D., Vice President for Research at Old Dominion University, delivered a fast-paced keynote presentation over lunch, highlighting Old Dominion's rapid expansion and growth in sponsored research awards since his arrival in 2004.

The afternoon included faculty facilitated breakout sessions, eight featured poster talks that were selected from among 23 applications, and concluded with a wine and cheese reception.

Awards were presented for first, second and third place for the graduate student poster competition, and first place for the undergraduate student poster competition. Honorable mentions were also awarded for both categories.

Graduate Student Poster Awards:

- 1st Place: **Eugene Gerety** (Engineering), "Wireless Distance-verifying Security System for ID Card/Document Enrollment Stations"
- 2nd Place: Ying-ju Chen (Engineering), "Computer Aided Diagnosis System for Wireless Capsule Endoscopy Video"
- 3rd Place: Nilima Shroff (Engineering), "Reverse Logistics of Pharmaceutical Products"

Graduate Student Honorable Mention:

- Ashish Aphale (Engineering), "Fabrication of Polyvinyl Alcohol (PVA) Nanofibers by Electrospinning"
- Richard Greenwood (Engineering), "Using Quality Mechanisms to Solve a Practice Service Business Problem of Reducing Delinquent Payments"
- Ismail Ozenc (Engineering), "Establishing an Environmental Sustainability Program at UB"
- Yuan Zhang (International College), "Chinese Perspectives of India and Indian People"

Undergraduate

- 1st Place: Dugho Jin (Biology), "Interaction of Chromium with Nickel in the Induction of Sister Chromatid Exchanges in CHO Cells"

Undergraduate Honorable Mentions:

- Janneth Alvarez, Sandra Granath, Lincoln LaGrotteria, Weihua Wang and Rebecca Ward (International College), "Bridging Future US-China Relations through the Study of Mao Zedong"
- Grethel Burch and Andre McBean (Biology), "Water and Saline Stress Effect on Shoots and Root Growth in Arabidopsis thaliana"