

## FACULTY RESEARCH DAY 2013: ANNUAL EVENT CELEBRATES BREAKTHROUGHS FROM NANOTECHNOLOGY TO ECONOMICS

On February 1, 2013 a crowd of over 170 packed the University of Bridgeport's Schelfhauadt Gallery to view 116 research posters and talk with their authors at the 2013 Faculty Research Day. The annual event showcasing faculty and student research consists of a morning poster session, followed by a keynote speech, lunch with breakout sessions, afternoon poster talks by selected faculty, and an awards reception.

Since its inception in 2011, the number of poster submissions has increased every year, with this year's 116 posters consisting of 48 submitted by faculty, 59 by graduate students, and 9 by undergraduate students. Participation was vast and included posters from each of these academic units: School of Arts and Sciences, School of Business, College of Public and International Affairs, School of Engineering, all Health Sciences programs, School of Education, and the Shintaro Akatsu School of Design.

Attendees included poster authors as well as other faculty, Industry Advisory Board members, community leaders and partners,

and venture capitalists. A number of members of the UB Board of Trustees also visited the poster session and spoke with faculty and students.

Following the morning poster session, participants were welcomed by Frank Zullo, Esq., Co-Chair of UB's Board of Trustees, and Tarek M. Sobh, Ph.D., Senior Vice President for Graduate Studies and Research. Provost Hans van der Giessen introduced the keynote speaker, Laura Manuelidis, M.D., Professor and Head of Neuropathology at Yale University School of Medicine, who spoke on "Unexpected Segues Into and Out of Medicine."

Lunchtime provided the option to attend one of two presentations or choose general seating. Wendy Garcia, IRB Co-chair, led the session on "Human Subjects Research and the IRB Process" and Yanmin Yu, University Personnel Committee member, spoke on "Area 2: Contributions to Your Disciplines."

The afternoon schedule was highlighted by fifteen featured poster talks. A popular wine and cheese reception with award presentations concluded the day.

A faculty poster competition was added this year, which stimulated 18 submissions vying for one of four \$1,000 awards that were judged by a group of four from academia and industry: Shannon Harding, Ph.D. (Fairfield University), Nathan Hicks (Engineer Alliance LLC, a joint company of General Electric and Pratt & Whitney), Johnathon Walls, Ph.D. (Regeneration Pharmaceuticals), and Wook-Sung Yoo, Ph.D. (Fairfield University). An additional 30 faculty posters were submitted in the non-competitive category. Graduate and undergraduate student awards for first, second, and third places, and honorable mentions were selected by a team of UB faculty judges.

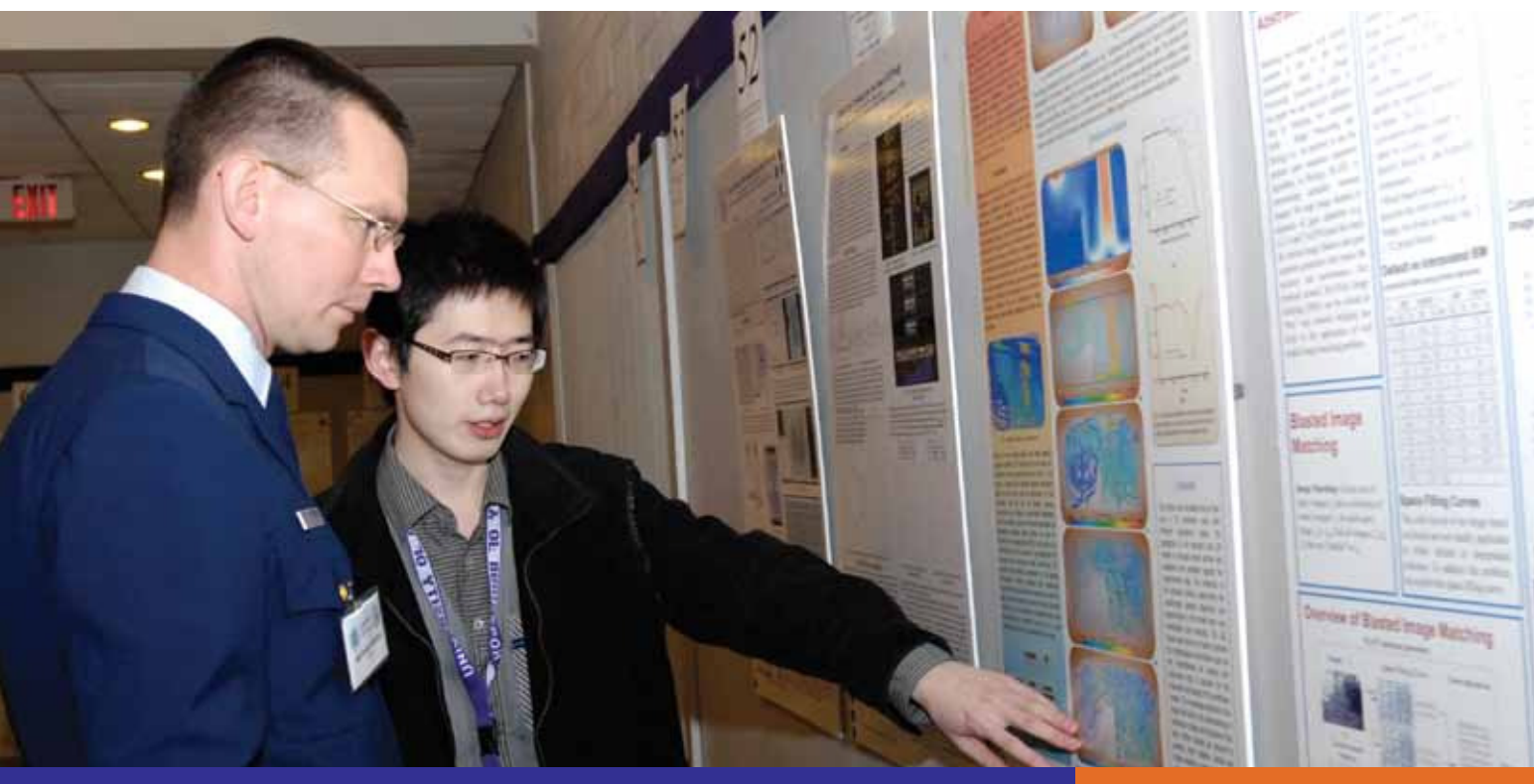
### Faculty awards

Maria Gherasimova, Ph.D.

Liane Leedom, M.D.

Prabir Patra, Ph.D.

Stephen Perle, D.C. ■



# FACULTY Notes



Doctor Obasa Koswatta (MSCpE 2002), who is a member of the IBM device group at their Fishkill facility, has been working on the development of logic transistors utilizing carbon nanotube technology. This is IBM's project 22SOI.

Professor Khaled Elleithy was elevated to the grade of IEEE Senior member in April 2013. Only eight percent of IEEE's approximately 419,900 hold this grade. As per IEEE, this grade "requires extensive experience, and reflects professional maturity and documented achievements of significance."

Lawrence V. Hmurcik, Professor of Electrical Engineering, reviewed the paper "Design and Fabrication of a High Transmissivity Metal-Dielectric UVB and pass Filter" for the journal *Applied Physics Letters*.

Xingguo Xiong of Electrical Engineering, recently reviewed the paper "Constellation based dynamic ranges with discrete Hartley transformation for efficient orthogonal frequency division multiplexing modulator/demodulator communication systems" for the *Journal of Electrical and Electronic Engineering Research*.

Xiaowei Yu, Xingguo Xiong, faculty advisor's poster, "Voltage-Downscaling with Logic Shut-Down for Low-Power VLSI Design," received 6th place in a student poster competition at the 2013 ASEE Northeast Section Conference, March 14-16, 2013, Norwich University, Northfield, VT.

Neal Lewis, Yiran Zhang (MS TM 2011), and Ted Eschenbach (University of Alaska Anchorage) were recognized at the 2013 ASEE



National Conference for winning the PIC 1 Best Paper Award at the 2012 ASEE conference. This paper was one of six best papers recognized out of 1500 papers submitted at the conference. ■

