Director’s Message

We were profoundly saddened by the passing of J. Michael Adams, FDU’s sixth president, on June 21, 2012. Michael will be forever set in our mind as our most beloved FDU president, for he was most kind and generous to all of us at the University. Every time he saw me, he would make me feel special and well appreciated — a sincere personal touch he did for everyone.

Michael and I had lunch once at his invitation for no reason other than to thank me for my work at the University; he was very gracious and went out of his way to make me feel comfortable. Also, my wife, Rose Mary, and I had the honor and the pleasure of dining with Michael and his wife, Susan, when they hosted Lucio Tan, FDU honorary degree recipient, and his entourage. That was one of the many memorable events we had with Michael and Susan.

The first time I saw Michael was at his interview meeting with the FDU community 13 years ago. He was one of the three presidential finalists invited to the campus. During the meeting, an engineering colleague asked Michael a pointed question, “What do you think about engineering?” Without hesitation, he enthusiastically responded, “I love engineering!” True to his word and never wavering from it, he wholeheartedly supported engineering throughout his years at FDU.

Through his tireless efforts, our school was named the Lee Gildart and Oswald Haase School of Computer Sciences and Engineering through a generous $5-million gift, the largest single-gift donation in FDU’s history, from FDU alumnus Gregory Olsen, now a member of the Board of Trustees, in honor of Olsen’s two former FDU professors. The gift was used to endow the Greg Olsen Chair and the Technical Enrichment and Outreach Program (TEOP), as well as to help start the FDU-Vancouver campus in Canada, supporting FDU’s global education mission. Over the last seven years, the 12-week TEOP program, conducted every semester, has tremendously impacted more than 500 high school students, most of them underrepresented minorities and/or from financially disadvantaged families, by introducing them to the educational and career opportunities in various science, technology, engineering and mathematics (STEM) fields.

We will be eternally indebted to Michael for his outstanding leadership; for making FDU a great and caring institution through his generosity, civility and simple acts of kindness; and for serving as an excellent role model for all of us to follow. Thank you, Michael! We will miss you dearly, and rest assured that we will carry on your legacy.

Alfredo Tan, director of GHSCSE, tan@fdu.edu

Student Achievements

2012 ASCE Metropolitan Conference

The FDU American Society of Civil Engineers (ACSE) Student Chapter participated in the 2012 ASCE Metropolitan Student Conference on April 20-22, 2012. The first two days of the conference were hosted by the New York City College of Technology in Brooklyn, N.Y., and the third day, which was hosted by the New Jersey Institute of Technology, was held in Denville, N.J. The conference included competitions in the following key areas: Student Mead paper presentation, steel-bridge design and concrete-canoe construction/technical presentation. Hundreds of students and faculty from various colleges and universities in New Jersey, New York and Montreal, Canada, and professionals participated in the conference.

The FDU team led by Sean McMahon (BSCE’12), president, ASCE Student Chapter, designed, constructed and tested a canoe made of special lightweight concrete. On the first day of the conference FDU engineering technology students participated in both the concrete canoe and Student Mead paper presentations. The concrete-canoe presentation was done by Nahon Torres (BSCE’12), vice president, ASCE Student Chapter, and team captain; Sebastian Lopez (BSCE’14), president elect, ASCE Student Chapter; and Honphrey Vicente (BSCE’13), treasurer, ASCE Student Chapter. The Student Mead’s paper on “Ethics and Globalization” was presented by Alex Kenny (BSConstE’12).

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On the third day, nine of the 10 schools that entered the competition descended on Cooks Pond, Denville, N.J., to put their concrete canoes to the test! All the canoes underwent several tests, and the schools that passed got the opportunity to race their canoes. FDU’s concrete canoe, “U.S.S. Knight,” built by FDU’s engineering technology students passed all the required tests, and the students participated in both the male and female sprints and endurance races. School spirit was evident at the conference, and FDU students not only accepted the challenge to host the upcoming canoe competition in 2013 but are already making plans on how to improve their overall performance next time. All the activities were undertaken under the guidance of the ASCE faculty advisers, Omar Thomas, lecturer of construction engineering technology, and Stanley Bielewicz, lecturer of civil engineering technology.

Technology Students Attend Conferences
FDU’s construction and mechanical engineering technology students attended this year’s Mechanical Contractors Association of America (MCAA) Student Summit held in San Francisco, Calif., and the MCAA Annual Conference held in Orlando, Fla. During the conference, students also participated in the Mechanical Contracting Competition, involving HVAC, sustainability and green building, under the guidance of Stanley Bielewicz, lecturer of civil engineering technology.

New Student Chapter Formed
FDU students formed a Chapter of the Construction Managers Association of America (CMAA) in December 2011 under the guidance of Stanley Bielewicz, lecturer of civil engineering technology. FDU is the first university in New Jersey to become affiliated with CMAA. Jakub Pustkowski (BSCET’15) is serving as the student chapter chair.

IEEE North Jersey Spring 2012 Student Presentation Contest Winners
As in the past, Gloria Reinish, professor of electrical engineering, hosted the spring 2012 Institute of Electrical and Electronic Engineers (IEEE) North Jersey Student Presentation Contest at FDU’s Metropolitan Campus on February 28, 2012. The contest provides students with an opportunity to strengthen their presentation skills needed for a successful career in engineering. The FDU winners of the contest were the following:

Undergraduate
First place: Christopher Lau (BSEE’12); Second place: Elmine Botes (BSEE’13); Third place: Marvin Allen (BSEE’12)

Graduate
First place: Sindhura Kudaravalli (MSEE’12); Second place: Eduardo Valdivia-Reyes (MSEE’12); Third place: Carine Reda Salib Gergis (MSEE’12).

GHSCSE Students Participate in Mathematics Competition
Wai-Lung Kwok (BS’13), computer science; John Sica (BS’12), mathematics; and Qiyang Xu (BS’14), mathematics, competed as a team in the Garden State Undergraduate Mathematics Conference competition in March 2012. The team ranked 12th out of 33 teams in their first competition. Alexander Casti, assistant professor of mathematics, and Mark Farag, associate professor of mathematics, advised the students and accompanied them to the competition.

GHSCSE Students in the News
Gladwin Ben Thomas (BS’12), computer science, has been accepted into the MS in engineering in computer and information science program at the University of Pennsylvania. In January 2012, Chetarth Sharma (BSEE’08) started his master of software systems (MSS) degree program (ranked #17 worldwide) at the University of British Columbia in Vancouver, Canada. Students with degrees in computer science or computer engineering are not eligible to apply to this program.

University College Dean’s Award
Erin Quinn (BS’12), computer science, received the University College Dean’s Award at the Honors Convocation in April 2012.

2012 Graduation Honorees
The following received honors at the 69th Commencement:
Robert J. Pungello (BS’12), computer science, magna cum laude
John Robert Sica (BS’12), mathematics, cum laude

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Steven Tegethoff (BS’12), information technology, magna cum laude
Gladwin Ben Thomas (BS’12), computer science, summa cum laude
Raymond Anthony Walsh (BS’12), mathematics, magna cum laude
Zachary Thomas Kisting (BS’12), computer science, cum laude
Mohit Sarveija (BS’11), computer science, magna cum laude
Dejan Donev (BSCET’12), magna cum laude
Carine Reda Salib Girgis (BSEE’12), magna cum laude
Fred Clark, Jr. (BSEE’12), cum laude
Roland Kekelia (BSMET’12), cum laude
Sarin Suresh Patel (BSMET’12), cum laude

Annual Honors Research Day Presentations
Under the mentorship of Gloria Reinish, professor of electrical engineering, the following undergraduate honors research presentations were made:
Elmine Botes (BSEE’13), on “Going Green with Natural Energy: Ways to Create Electricity Using the Body and the Sun.”
Carine Reda Salib Girgis (BSEE’12), on “Ultrasonic Range Finder as an Aid for the Blind.”
Fred Clark, Jr. (BSEE’12), on “Myoelectric Transradial Prosthesis Prototype with Real-time Single-grasp Capability.”
Yongming Tang, associate professor of computer science and information systems, mentored the following student for his honors thesis.
Gladwin Ben Thomas (BS’12), computer science, on “Design and Implementation of a Web Application using Java Enterprise Edition.”

Kudos to Student Interns
Erin Quinn (BS’12), computer science, was accepted into a National Science Foundation (NSF)-sponsored undergraduate summer institute on “Computer System, Cluster and Networking” to be held at the Los Alamos National Laboratory (LANL), N.M. The Computer System, Cluster and Networking Summer Institute (CSCNSI) is a focused technical enrichment program targeting third-year college undergraduate students currently engaged in a computer science, computer engineering or similar major. The program emphasizes practical-skill development in setting up, configuring, administering, testing, monitoring and scheduling computer systems, supercomputer clusters and computer networks through a variety of activities including hands-on technical training, lectures, professional development seminars and tours of LANL facilities.
Yash Gupta (MS’12), computer science, had an internship at Con Edison in New York City in fall 2011 that included handling emergency situations with flexibility and rapid adaptability in the aftermath of Hurricane Irene. Con Edison, a prominent regulated utility company supplying New York City and Westchester County, took a serious hit when fallen trees and floods affected power supply to thousands of customers. Gupta was with the company’s automotive engineering group, which is responsible for managing transportation operations of Con Edison’s fleet of vehicles. During the emergency situation, he worked with the Logistics Operation Control Center. Its operations included management of the fleet of vehicles, deployment of utility equipments and overseeing a crew of engineers, supervisors and technicians in desired areas until power was completely restored. He controlled transportation operation by monitoring the generators’ transition to service areas to tackle power outages in highly demanding locations/buildings such as hospitals/administrative buildings, etc.

Ankita Saverdekar (MSEE’12) successfully completed her two-semester internship with Broadcom Corp. in San Diego, Calif. Saverdekar worked on the verification, analysis and debugging of WLAN 802.11b/g/n functionality and performance of Broadcom’s BCM4330 ASIC, upon integration with Broadcom’s BCM21553-based, platform-reference design for device manufacturers. She executed test cases, evaluated test results, analyzed issues found and tracked issues found all the way to resolution. Her manager wrote, “We think Ankita has made very good contributions to Broadcom, and has done a great job in helping us achieve our goal of developing a high quality product.”

Julia Silva (BSEE’13) completed her summer 2011 internship with Hamilton Sundstrand at Windsor Locks, Conn. She worked in the engineering reliability department, which is a part of central engineering. She worked on Highly Accelerated Life Test (HALT), reports development, failure rates, failure modes and failure-mode rates at the company.

Elminate Botes (BSEE’13) completed her summer internship with the biomedical engineering department in Hackensack University Medical Center (HUMC). She learned how to troubleshoot and fix various malfunctioning medical instruments. Four students are currently taking advantage of internship opportunities with HUMC’s biomedical engineering department.

GHSCSE students have had internships through various individual companies and member-companies of Building Contractors Association of New Jersey and Construction Industry Advisory Program.

GHSCSE has established a key relationship with United Parcel Service of America, Inc. (UPS), which has provided three student internships.

Student Capstone Projects Completed under NAWCAD Education Partnership Agreement
FDU signed an education partnership agreement with the Naval Air Warfare Center Aircraft Division (NAWCAD) in January 2010. The partnership provides FDU students and faculty the opportunity to work with the Naval Air Systems Command (NAVAIR) engineers on engineering and scientific issues related to naval aviation. The partnership also provides students with internships and employment opportunities with the U.S. Navy.

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NAVTAIR has awarded GHSCSE a total grant of $11,000 to work on two projects in the 2011–12 academic year. Melvin Lewis, senior lecturer of engineering technology and coordinator of electrical engineering technology program, serves as the overall supervisor for all projects. Bernard Lefkowitz, associate professor of electrical and mechanical engineering and coordinator of mechanical engineering technology program; Kalyan Mondal, associate professor of electrical engineering and coordinator of information technology program; Peter Schaeffer, physics lab supervisor of natural sciences; and Reji Joseph, assistant engineering lab director, advise students working on the projects.

Mohammed K. Ahmed (BSEE’15), Fred Clark (BSEE’12), Elliott Finkelstein (BSEE’14), Zackary Rubinstein (BSMET’13) and Julia Silva (BSEE’13) worked on the “Capstone 16: CSV Motor Control” project. They developed an electro-mechanical mockup of the system using a Freescale HCS12 microcontroller-based stepper motor and an assortment of mechanical parts controlling a model Capacity Selector Valve (CSV). Roland Kekelia (BSMET’12), Lasiba B. Knight (BSMET’14), Andrew Marks (BSMET’15), Sarin Patel (BSMET’12), Nicholas De Santo (BSMET’12) and Chon Wilson (BSMET’12) worked on the “Capstone 9-4: Positive Locking Mechanism for the Jet Car Brakes” project. This project entailed developing a mechanical mockup of the positive-locking mechanism for the friction brakes ensuring they are all properly set prior to an event.

FDU Welcomes Two New HBCU-STEM Fellowship Graduate Students
Nurturing the next generation of scientists, researchers and engineers, the Historically Black Colleges and Universities (HBCU)-STEM Fellowship Program provides fellowships and stipends to graduates of HBCUs who pursue master’s programs in science, technology, engineering or mathematics (STEM) at schools in Pennsylvania, New Jersey, Delaware or Washington, D.C. In addition to providing financial support, student progress is monitored to ensure academic success.

Gonzalo Perez, past GHSCSE coordinator of student recruitment and career development, served on the HBCU-STEM Fellowship Program Advisory Committee and closely with the fellowship students to ensure a seamless and supportive transition to graduate school. The HBCU-STEM fellows are awarded a scholarship for tuition and a living stipend from the fellowship, and FDU provides financial support as well. Two HBCU students have joined GHSCSE’s programs this academic year, and two other students graduated in the previous academic year.

Outreach Program News
Four Bergen County Academies Students Completed Senior Experience
GHSCSE faculty mentored four Bergen County Academies seniors: Jonathan Beekman, Ivan Ha, Merrill Preska-Steinberg and David Shekhtman. As in the past, the students interned at FDU every Wednesday through the 2011–12 academic year. Students worked with FDU faculty on various projects and topics, includ-
Program, participated in recruiting students for FDU-Vancouver’s information technology (IT) program from local schools, such as LA Matheson and Lord Byng secondary schools during their career and education fairs. He also helped establish tie-ups with local colleges such as Coquitlam College in British Columbia, Canada, and represented FDU-Vancouver’s IT program at the British Columbia Council on Admissions and Transfer meeting held last year at Douglas College.

Alumni News

Worldwide Point of Sales LLC Hires CS Graduate

Rushabh Shah (MS’11, computer science) was offered an internship at Worldwide Point of Sale, LLC in November 2010. That experience led to a full-time position offer by the same company after his graduation in May 2011.

Since November 2010, Shah has been the software quality-assurance engineer and tester at International Point of Sale in Teaneck, N.J. In this capacity, he has been responsible for multiple duties: resolve technical issues starting from an initial setup of the Point of Sale (POS) system; design windows applications for the POS software; utilize applications consisting of various forms which were designed in ASP.NET using C# as back end coding language; define database scripts using Microsoft SQL Server 2008 to retrieve data as required for existing design of the application; implement data access layer using ADO.NET to connect and retrieve or manipulate database information; utilize printer programming language to print bar code from label printers; utilize Twitter API to integrate status update into applications; develop reports using crystal reports; perform maintenance, module testing, unit testing, documentation, and training related to the application; design Cascading Style Sheets (CSS) for the look and feel of the application web page; and work with HTML and HTML5.

Alumni News

Please send news about your work, family, professional growth and any other happenings for publication in our Alumni News section to Kalyan Mondal, co-editor, at mondal@fdu.edu.

Alumni Links ...

[This is a new column where we would publish the names and affiliations of our alumni as they become available to us. We expect this column to be useful for current students and alumni. The list will be updated and a new/updated set of names will appear in our next edition. Please let us know if we missed anyone so that we can include them in a future issue. —Editor]

Siva Dhandu (MS’01, system science: computer engineering), manager, device marketing strategy and planning, Verizon Wireless, N.J. [Siva Dhandu | LinkedIn]

Program Updates

Five-year Integrated BS Information Technology and MS Computer Science Program Launched

A new five-year integrated program was developed to allow information technology majors to obtain a master’s degree in computer science by completing a total of 151 semester credits in five years. Students eligible for this program can save a considerable amount of tuition. Computer science faculty members approved a proposal to this effect developed by Kalyan Mondal, associate professor of electrical engineering and coordinator of information technology.

Computer Science Industrial Advisory Board Meeting

FDU’s Computer Science Industrial Advisory Board (CSIAB) met on November 17, 2011. Among those who attended were Paul Donoghue (BS’79, accounting; MBA’86), president, Highlands Technologies, Inc.; Alan Klayman (BA’83, computer science), Student at the Wheel, My Income Strategy; Avi Ma’ayan (BS’97, MS’99, computer science), assistant professor, department of pharmacology and systems therapeutics, Mount Sinai Medical Center; Suzanne McIntosh (BS’86, MS’88, computer science), secure software engineer, IBM Research; and Katharine Regan, applications manager, information services, UPS. Gertrude Levine, professor of computer science, introduced Regan as a new board member. Ma’ayan repeated his previous assertions that the teaching and course organization at FDU are superior to that of many Ivy League universities. Klayman agreed with this evaluation, based on his own work experience. Although the computer science division has developed concentrations for undergraduate study, Alfredo Tan, director of GHSCSE, explained that current undergraduate enrollment does not allow introduction of these many concentrations at this time. Board members suggested teaching Java as the first programming language instead of C++. Ma’ayan recommended bioinformatics and computational systems biology based on computer science students’ strong mathematics and science (especially biology) requirements. Klayman asked for setting up a STEAM (Science, Technology, Engineering, Art and Mathematics) curriculum, including both pure and applied art classes. Several other suggestions including cloud computing and mobile-device application programming were made.

Electrical Engineering Industrial Advisory Board Meeting

Electrical Engineering Industrial Advisory Board (EEIAB) meetings were convened by Howard Silver, professor of electrical engineering and deputy director of GHSCSE. Apart from faculty, industry representatives Laura Gross (BSEE’90), Verizon; Eric Stoll, IT&T Labs; George Gasparian, GPD Optoelectronics; and Jules Insler, BAE Systems, attended the meetings. The main item of discussion involved a plan to combine the analog electronics courses for electrical engineering and electrical engineering technology students into a common three-semester sequence. Alfredo Tan, di-

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rector of GHSCSE, suggested limiting the first course to op-amp circuits and applications, with the emphasis on integrated circuits. The second course would deal with diodes and transistors and introduce transistor amplifiers, which would be expanded upon in the third course. Faculty will work out the details and select appropriate textbooks for the new sequence. The sequence could be phased in by fall 2013. There was some discussion of the Microprocessor System Design sequence, which is another issue raised at previous IAB meetings. The sentiment of the group is that both courses should emphasize the microcontroller. Kalyan Mondal, associate professor of electrical engineering and coordinator of information technology program, and Howard Silver, professor of electrical engineering and deputy director of GHSCSE, will research this topic further and report to the IAB.

Information Technology Industrial Advisory Committee Meeting

The Information Technology Industrial Advisory Committee (ITIAC) meetings were held in fall and spring of the academic year 2011–12. In addition to the faculty, Mitchell Mond, vice president, Ness North America; Steve Liberty, Ness Technologies, Inc.; Bruce Fogel, team leader – finance and human resources systems integration, Affinity Health Plan; Susan Fowler, City Harvest, Inc.; and Walter Schneider, engineering manager, BAE Systems, reviewed the IT program and provided many thoughtful suggestions for further improvement. The committee approved the updated BS in information technology program educational objectives whereby the number of such objectives was reduced from five to three in conformity with other GHSCSE programs. The committee was made aware of the school’s efforts toward developing outreach (CSEOP) and adult education (ACCP) initiatives in cybersecurity and information assurance. A near-term objective of this initiative was to develop and submit a capacity-building proposal to NSF. The long-term objective is to get a Center of Excellence in cybersecurity education status for FDU and develop programs beneficial to both the students and the nation’s cyber defense. The IAC includes a security expert in Jeffrey Moskowitz, executive director, Greystone Intelligence, who could not attend the meetings. He and other members will be able to help GHSCSE with their expertise in developing programs that will be suitable for information technology, computer science and other majors.

GHSCSE Welcomes New Lab Director

Tayfun Altuntas joined the school in spring 2012 as lab director for computer science, management information systems and e-commerce. Prior to joining FDU, Altuntas was the director of user-support services at Bloomfield College. He is developing the iLab system that allows remote access of computing resources and lab software by students. His main responsibilities are to manage the operations of all the computer labs in support of the undergraduate and graduate programs offered in the GHSCSE; provide technical support to faculty, staff and students; and assist faculty in developing new experiments and projects needed for courses and programs.

Laboratory Upgrades

A Synopsys University Program Electronic Design Automation (EDA) Tool Bundle was procured, and selected tools for integrated circuit process and device modeling (TCAD) were installed. The industry-standard TCAD tools were introduced to the students of EENG7715 Integrated Circuit Devices course in fall 2011. Additionally, tools for digital, analog and mixed-signal system-on-chip design and verification are being installed and tested for future use by students.

New equipment, hardware and software systems were purchased to upgrade the civil, construction, electrical and mechanical engineering technology laboratories. Notable among these are the following:

- Portable Programmable Logic Controller (PLC) trainer systems represent state-of-the-art, microprocessor-based electronics that make up technologically advanced control systems with applications in virtually every segment of industrial automation. These systems will be used to train students in industrial automation and other related courses.

- A PLC Controlled Wind Turbine System has been acquired, and it can be connected with the school’s pre-existing Allen Bradley 1200 Micro Logix PLC system. This system will allow studying various features of a wind turbine system by proper PLC programming. Students interested in industrial automation or energy fields would benefit by using this system in their projects.

LabVolt’s Solar/Wind Energy Trainer System allows students to learn setting up alternate energy systems. This is a complete hybrid-energy training system that helps students understand how solar panels and wind turbines can be used in the consumer and industrial markets to supplement the power needs of the society.

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Faculty Highlights

GHSCSE Welcomes New Faculty Members

Alexander Casti joined GHSCSE as an assistant professor of mathematics in fall 2011. He earned his PhD in applied mathematics from Columbia University in 1999. Prior to joining FDU, he was a research assistant professor at the Center for Molecular and Behavioral Neuroscience at Rutgers University, Newark, N.J. His teaching and research interests are in computational and experimental neuroscience, biomathematics, pattern-forming systems, clustering in large data sets and partial differential equations. Casti is involved with teaching calculus and complex variables courses and developing a new course on numerical analysis. He is involved with student math competition and the META-TEOP outreach program.

Omar Thomas joined GHSCSE as a lecturer of construction engineering technology in spring 2012. He earned his PhD in civil and environmental engineering from Florida State University in 2011. His dissertation, “Stochastic Preservation Model for Transportation Infrastructure,” looked at the advantages of using semi-Markov models versus the traditional Markov Chain models for transportation asset management. He teaches courses on concrete design, steel design, structural analysis and statics. He serves as an instructor in the Technical Enrichment Outreach Program (TEOP); a presenter for the Architecture, Construction, Engineering (ACE) Mentor program; and faculty adviser for the FDU ASCE Student Chapter. In addition, Thomas is involved with the outcome assessment of the ETAC/ABET-accredited civil and construction engineering technology programs; and Civil and Construction Engineering Technology and Mechanical Engineering Technology Industrial Advisory Boards.

MAA Grant to Develop Mathematics Outreach Program: META-TEOP

Mathematics faculty members Mark Farag, associate professor, and Alexander Casti, assistant professor, received a $6,000 award from the Mathematical Association of America’s (MAA’s) Tensor-SUMMA (Strengthening Underrepresented Minority Mathematics Achievement) Grants Program for their proposal to add a Mathematics component to GHSCSE’s highly successful Technical Enrichment and Outreach Program (TEOP). This grant will fund a seven-week Saturday program to introduce applications of mathematics to 20 students from area high schools.

Corporate and Foundation Relations

Grants Received

GHSCSE has received a generous donation of $27,231, including $8,000 for scholarships, from the Mechanical Contractors Association of New Jersey (MCANJ) to support the BS in Mechanical Engineering Technology program in the 2011–12 academic year. This raises the total donation received from MCANJ to $364,013 over a period of nine years. Alfredo Tan, director of GHSCSE, and Melvin Lewis, senior lecturer of engineering technology and coordinator of electrical engineering technology program, are the director and the deputy director, respectively, of the MCANJ/FDU partnership program.

GHSCSE Seminar Series Continues

GHSCSE has conducted a seminar series on the latest developments in electrical engineering, computer engineering, computer science and related fields since spring 2009. Zhiwei Mao, associate professor of electrical engineering, and Hong Zhao, associate professor of electrical engineering, coordinate the seminar series. Twenty-seven seminars on contemporary topics have been conducted since its inception. The 2011–12 speakers and their presentations are as follows:

Chi Man Shum, field applications manager, Mini Circuits lab demo/presentation, “USB Driven RF Test Tools”;

Natanel Dukan, area manager - Americas, Aldebaran Robotics, “Nao the Humanoid Robot”;


Anwar I. Walid, distinguished member of technical staff, Alcatel-Lucent Bell Laboratories, “Content Delivery Networks (CDN)”;

Saket Kharsikar, application engineer, The Mathworks, “Data Analysis with MATLAB”;

Avi Ma’ayan, assistant professor, department of pharmacology and systems therapeutics, Mount Sinai School of Medicine, “Unsupervised Clustering Methods in Systems Biology and Systems Pharmacology”;

Alexander Casti, assistant professor of mathematics, FDU, “Spike Train Prediction with Generalized Linear and Nonlinear Models”;

and

David A. Field, retired staff research scientist, General Motors Research Laboratories, “Manufacturing, Robotics, and Computational Geometry.”

IEEE North Jersey Chapter Seminars

Hong Zhao, associate professor of electrical engineering, organized four seminars for the IEEE North Jersey Section Computer Society Chapter under the sponsorship of FDU: “Spectrum Sensing and Decision for Spectrum-heterogeneous Cognitive Radio Networks” by Qihui Wu, professor of information science and engineering, Southeast University, China; “Rootkit-based Attacks and Defenses: Past, Present and Future” by Vinod Ganapathy, assistant professor of computer science, Rutgers University; “On Cross-Layer Design for Wireless Networks” by Cristina Comaniciu, associate professor of electrical and computer engineering, Stevens Institute of Technology; “System Design Using DSP Hardware” by Jerry Bellott, formerly of Integrated Microwave Technologies (IMT), Inc.; and “Expeditions in Large-Scale Computational Science on Production Distributed Cyber Infrastructure”.

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tured" by Shantenu Jha, assistant professor of electrical and computer engineering, Rutgers University.

At FDU, Zhao also organized a seminar sponsored by the IEEE North Jersey Section Signal Processing Chapter: “Protecting Smart Grid Automation System against Cyber Attacks” by Dong Wei, corporate research scientist, Siemens Corporation.


More Publications and Presentations
Faculty include Alexander Casti, assistant professor of mathematics; Mark Farag, associate professor of mathematics; Vasudevan Janarthanan, FDU-Vancouver assistant professor of information technology and program coordinator of information technology program; Gertrude Levine, professor of computer science; Zhwei Mao, associate professor of electrical engineering; Kalyan Mondal, associate professor of electrical engineering and coordinator of information technology program; Omar Thomas, lecturer of construction engineering technology; and Hong Zhao, associate professor of electrical engineering.


Zwass in the News …
Vladimir Zwass, distinguished professor of computer science and management information systems; and deputy director of computer science, management information systems, e-commerce and mathematics programs, was the keynote speaker at the 11th International Conference on E-Business in Wuhan, China, May 26–27, 2012 as well as at the International Symposium on Management and Intelligent Systems in Salamanca, Spain, July 10–13, 2012. He presented an invited lecture at the School of Economics and Management in Wuhan on May 28, 2012.

Zwass also revised a Macropaedia-long article on Information Systems in Encyclopedia Britannica, 2012

Two papers published in the Journal of Management Information Systems, of which Zwass is the editor-in-chief, won the 2011 Citation of Excellence Awards from Emerald Academic Publishers. Now in their 15th year, these annual awards recognize the 50 most outstanding articles published by the top 300 management journals in the world.

Professional Activities
Three associate professors of electrical engineering Zhiwei Mao, Kalyan Mondal and Hong Zhao served the IEEE North Jersey Section, respectively, as the chair of the Women in Engineering (WIE) Group, section treasurer cum Education Committee co-chair and chair of the Computer Society Chapter.

Vladimir Zwass performed external evaluations of faculty portfolios for promotion to full professor at Athens University of Economics and Business, State University of New York at Albany and Illinois State University.