



Chinese Experts Study High-Tech Solutions for Coal Mine Safety in 12-Month Pilot at NYU-Poly

Brooklyn, NY—With China’s accelerating economy heavily dependent on coal, mine safety has emerged as a national priority. Moving to exploit high-tech solutions to improve its record, 13 Chinese scientists and engineers entered a year-long pilot program at NYU-Polytechnic Institute in Brooklyn.

Launched in February, the unprecedented step immerses Chinese coal experts in a 3-month intensive English program at NYU’s School of Continuing and Professional Studies (SCPS), followed by 9 months of graduate courses in science and technology at NYU-Poly. The Chinese researchers are drawn from Xi’an Research Institute of China Coal Technology & Engineering Group, one of 14 premier coal research centers dotting the country. If successful, this initial group will be followed by others in subsequent years.

One approach will be to study the use of fiber optics as safety sensing devices in China’s deep coal mines. “This is a unique way for Chinese specialists to gain experience in the US,” said NYU-Poly Prof. Hong-Liang Cui, who works closely on fiber optics with his counterparts in China. “When they return home, they will be able to turn what they uncover to improving Chinese mine safety.”

China is the largest producer of coal in the world, mining about 40 percent of all coal produced in the world today. An estimated 5 million people work in China's coal-mining industry, with an unfavorable record of accidents.

With 850 employees, the Xi’an Institute works in safety, engineering geology, geophysical instrumentation, drilling and other research. It offers technical consultant services, product development and production, as well as engineering contracting and geological safety services.



Xi’an trainees and NYU-Poly faculty & staff

Upcoming Events:

Sloan Foundation Grant Workshop

Date: June 3rd, 2011

Location: University of Michigan

The final focus group with Fortune 500 participants investigating e-learning will be held at the University of Michigan. A report will be issued on the findings and distributed. If you would like to receive a copy when available, please contact the Program Coordinator, Lisa Bellantuono at:

LBellant@poly.edu

Enterprise Learning Board Meeting

Date: Fall, 2011

Location: NYU-Poly

Board members will receive detailed information as the date is confirmed. If you have any questions, please feel free to contact the Business Relations Manager, Marlene Leekang at:

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[Link to Enterprise Learning Board Members](#)

NYU-Poly to Deliver Wireless Course to AT&T Staff at 5 Sites Across the US



Noted NYU-Poly’s Electrical Engineering Professor I-Tai Lu will offer dozens of AT&T technical employees a wireless communications and practical systems course at 5 separate locations across the county this summer.

Potentially the first in a series customized for AT&T personnel, the 2 day course covers radio signal propagation, interference-limited communications, traffic analysis and trunking loss, multiple-access and air interface, wireless networks, and wireless systems. Professor Lu, who earned his PhD at Poly, has received numerous honors, including the NSF Engineering Initiation Award, Torchlight Award, and others from the Taiwan Ministry of Education, Electrical Engineering Foundation for Education and Culture, and the Alumni Association of National Chiao Tung University, among others. Professor I-Tai Lu has been teaching at NYU-Poly since 1985.

NYU-Poly Launches 2 New High-Tech Online Programs in Cyber Management and Network Architecture

Responding to industry demands to fill large numbers of high-tech slots with key personnel in fast- growth fields, NYU-Poly will launch two new online programs this fall in cyber security management and enterprise network architecture.

Executives at Fortune 500 companies can now complete a global cyber security master's degree with the school's cyber management track, a new 3-course online option for corporate officers tasked with implementing company safeguards. Professor Nasir Memon is the Director of NYU-Poly’s Cyber Security program and integral in the creation of this track.

Cyber Security Online Student Spotlight— **Goldman Sachs VP Joel Ruffin**

Goldman Sachs Vice President of Technology Risk Joel Ruffin, a graduate student in the online Cybersecurity Master’s program at NYU-Poly, was introduced to the degree by Enterprise Learning Board member and Goldman Sachs Partner, Phil Venables. With high recommendations from other Goldman colleagues, Ruffin enrolled in the rigorous program, a perfect fit to advance his career.

“My experience with this program has been extraordinary,” Ruffin said. “I love the ePoly platform. It allows me to join a class while traveling. I can connect to a mobile hotspot and go to class or download the material from anywhere.” Ruffin said that he admires his professors, respected experts with real world experience.

This is Ruffin’s first time pursuing an online degree. He finds the work very challenging, but relevant to what he does at Goldman Sachs. He says that he uses knowledge gained in class to help in his day to day work.

Happy with the level of service he has experienced. Ruffin claims the Enterprise Learning team as his “NYU-Poly family—responsible, warm, friendly, flexible and engaged”.



Joel Ruffin
Vice President, Technology Risk
Goldman Sachs
NYU-Poly Cybersecurity, MS Program

Questions or concerns regarding this newsletter, please contact Marlene Leekang—mleekang@poly.edu