



2011 Smarter Planet Faculty Innovation Awards

IBM is proud to announce the continuation of the **Smarter Planet Faculty Innovation Awards** program for 2011. We are seeking to partner with faculty in universities who desire to create and teach innovative courseware or curriculum for the development of professionals who have the combination of industry and technical skills needed to lead industry transformations now and into the future. Through the Industry Skills Awards program, our goal is to:

- Build long-term collaborative relationships between IBM and faculty to stimulate growth in strategic and exploratory topics
- Promote courseware and curriculum innovation in strategic disciplines
- Encourage industry adoption of emerging technologies
- Develop future leaders who understand how information technology can be applied to create real insight into data and organizational performance.

The Smarter Planet Faculty Innovation Awards program provides a monetary award of up to \$10,000 US dollars to university faculty members based on the global competitiveness and curriculum innovation to stimulate growth in industry focused disciplines and

geographies that are strategic to IBM. Although the awards are not in the form of contracts, we strongly encourage all work to be placed in the public domain, and expect that is the intention of the faculty as well. Though IBM has no right to intellectual property from work completed with award funding, strong collaborations typically result in skills/knowledge transfer, hiring and future collaborations.

To receive an award, candidates must be full time faculty at a leading university and a member of the IBM Academic Initiative. Faculty are provided access to an award nomination database and are responsible to complete the process and submit to IBM by established deadlines. The information typically requested on the nomination form includes contact information, a description of project goals and plan and an assessment of the expected outcomes and merits of the proposed work.

For more information and to get notification when the next set of industry awards are announced subscribe to the IBM Academic Initiative newsletter. The following website will also be updated with ongoing announcements:

ibm.com/university/innovation

2010 Smarter Transportation Award Winners

Modern principles of designing and development of Intelligent Transportation Systems	Prof. Eduard Babkin	State University - Higher School of Economics, Nizhny Novgorod
Applications of Wireless Embedded Sensor Networks	Dr. Ahmet Bulut	Istanbul Sehir University
Smarter Transport for Smarter Planet	Prof. Jerzy Kotowski	Wroclaw University of Technology
Improving Transportation System Efficiency and Safety Through Asset Optimization	Prof. Kenneth Kuhn	University of Canterbury
Advanced Technology Solutions for a Sustainable Transportation System	Prof. Adel Sadek	University at Buffalo, SUNY
BusTracker.EDU	Prof. Eli Tilevich	Virginia Technical Institute
Operations Research of Smarter Transportation	Dr. Julien Ugon	University of Ballarat
Multi-Channel Reservation System	Prof. Lixin Zhou	Peking University



2010 Smarter Cities Skills

CityOne Faculty Guide	Prof. Preeta Banerjee	Brandeis University
Living Laboratory and Smart Classrooms	Prof. Debasis Bhattacharya	University of Hawaii Maui College
Foresight for a Smarter Planet	Prof. Suzanne Coshow	University of Notre Dame
Human Values, Technology, and Business	Prof. Kevin Craig	Marquette University
Digital Strategies for Sustainability in GEM City-States	Prof. Omar El Sawy	University of Southern California
Smart Architect for Smarter Cities	Prof. Siddhartha Ghosh	G. Narayanamma Institute of Technology and Science
Smarter Cities: Environmental Decision Making	Prof. Alex Godoy-Faundez	Universidad Andrés Bello
Compact Cities as Smarter Cities	Profs. William Hefley & Thomas Saaty	University of Pittsburgh
ICT Enabled Smart Cities	Dr. Atreyi Kankanhalli	National University of Singapore
Smarter Service Systems	Dr. Waldemar Karwowski	University of Central Florida
Creating Smarter Cities: Filling Information Gaps	Prof. Robert Kaufmann	Boston University
Building Smarter Cities Case Studies	Prof. Kelly Lyons	University of Toronto
Sustainability and the City	Dr. Shlomo Mark	Sami Shamoon College of Engineering
Smarter Cities through Systems Thinking	Dr. Deanna H. Matthews	Carnegie Mellon University
Smarter Cities community based learning curriculum	Dr. Jack McGourty	Columbia University
Build Smarter Istanbul '2050	Prof. Dr. M. Pınar Mengüç	Ozyegin University
A Citizen-centered Approach to Program Design and Service Delivery	Prof. Paul Messinger	University of Alberta
Analytics for Smarter Cities	Prof. RP Raghupathi	Fordham University
Two Cities as a Living Lab	Dr. Flora Salim	RMIT University
Global Software Engineering for Smarter Cities	Dr. Christelle Scharff	Pace University
Business Intelligence in corporate information system	Prof. Aliya Shamsieva	Ufa State Aviation Technical University
Smart City – information infrastructure and management	Prof. Aleksey Shutov	State University - Higher School of Economics, Nizhny Novgorod
IBM and Smarter Singapore	Prof. Keng Siau	University of Nebraska
Engineering the City of Tomorrow	Prof. Dan Stefan Tudose	Politehnica University Bucharest

2010 Smarter Healthcare Award Winners

Health Care and Service Analytics Using Electronic Medical Records	Prof. Ramakrishna Akella	University of California
Smarter Healthcare through Information Exchange	Prof. Noushin Ashrafi	University of Massachusetts
Pervasive Healthcare Informatics	Prof. Venkatalakshmi Balakrishnan	Velammal Engineering College
Intelligent Interface Design for Smarter Healthcare	Prof. Shi-Kuo Chang	University of Pittsburgh
Healthcare Systems, Technologies, Interoperability & Standards	Prof. Danny Chiang-Choon Poo	National University of Singapore
Introduction to Healthcare Analytics	Prof. Eitel Lauría	Marist College
Healthcare Smart Analytics System	Prof. Alexander Martynenko	Kharkov National University
Business Intelligence for Healthcare	Prof. Mayur Mehta	Texas State University -San Marcos
Health Analytics	Dr. RP Raghupathi	Fordham University
Smarter Analytic Health Plan Systems	Prof. Daniela Raicu	Depaul University
Towards Smarter Healthcare	Prof. Praveen Rao	University of Missouri
Smarter Emergency Services and Urgent Healthcare	Dr. Alexander D. Sotnikov	The Bonch-Bruевич Saint-Petersburg State University
An Introduction to Health Informatics	Dr Andrew Stranieri	University of Ballarat
Electronic Healthcare Design and Development	Dr. Flora Tsai	Nanyang Technological University
Healthcare Informatics with IBM Software Tools and Products	Prof. Chris Tseng	San Jose State University
Security and Privacy for Electronic Healthcare Record Applications	Prof. Laurie Williams	North Carolina State University
How to stop worrying and love artificial intelligence	Prof. Michal Wozniak	Wroclaw University of Technology
Hippocratic Database Technology	Prof. Li Xiong	Emory University

If you would like to be one of the Smarter Planet Faculty Innovation Award winners for 2011 like the esteemed academia above, apply here: ibm.com/university/innovation.