

2012-2013 IBM Ph.D. Fellowship Program

Dear Faculty Colleague:

IBM is pleased to announce the IBM Ph.D. Fellowship program for the 2012-2013 academic year. We have received many outstanding and exceptional candidates from universities all over the world in the past and encourage your participation. IBM Ph.D. Fellowship nominations may be made by faculty members from September 22 to November 1, 2011.

The IBM Ph.D. Fellowship program honors exceptional Ph.D. students in many academic disciplines and areas of study, for example: computer science and engineering, electrical and mechanical engineering, physical sciences (including chemistry, material sciences, and physics), mathematical sciences (including analytics, statistics, operations research, and optimization), public sector and business sciences (including urban policy and analytics, financial services, risk management, marketing, communications, and learning/knowledge management), and service science, management, and engineering (SSME). Additionally, IBM pays special attention to an array of focus areas of interest to IBM and fundamental to innovation, including but not limited to:

- **Technology that creates new business value**
Tools to build smarter cities and a smarter planet, modeling and data analysis, optimization, risk and compliance, urban policy and analytics, tools for globalization, information-based medicine and health care management, Service Science, Management and Engineering (SSME)
- **Innovative software**
HCI, massive scale data and analytics, new expressive ways of manipulating computers, programming models and tools, natural language understanding, ontologies, real-time systems, real-world-aware systems, intelligent imbedded systems, event-driven computing, 3D Internet, social and mobile computing, Internet of things
- **New types of computers**
Use of massive parallelism for non-scientific/engineering applications, multi-core and hybrid systems, green computing, 3D systems and integration, nanotechnology and post-CMOS devices for digital logic, memory, and communications
- **Interdisciplinary projects that create social and business value**
Water and energy modeling and management, autonomic computing, cloud computing, green systems/data centers and computing

The IBM Ph.D. Fellowship program also supports our long-standing commitment to workforce diversity. IBM values diversity in the workplace and encourages nominations of women, minorities and all who contribute to that diversity.

Please feel free to post this program announcement in your department area. This announcement will also be posted on the Internet at <http://www.ibm.com/university/phdfellowship> on September 22, 2011 and will be linked to the Internet nomination form.

Award recipients will be finalized mid February, 2012 followed by emails to all participants. All supporting documents for the fellowship, such as student's resume, and endorsement by the department head as well as the nominator's recommendation must be included in the nomination form. We ask that each department submit no more than two new nominations (in addition to any existing fellowship nominations to compete for a renewal). In cases of more than one nomination for a fellowship (including competing renewal nominations), the department head's endorsement must include an indication of the relative merits of all the candidates and the department's prioritization of these candidates. Students must be enrolled full-time in a college or university Ph.D. program, and they must have completed at least one year of study in their doctoral program at the time of their nomination. Students in Russia and Europe may be nominated in their first year of study in their doctoral program.

IBM University Relations Ph.D. Fellowships are awarded worldwide. IBM Ph.D. Fellows receive a stipend for the academic year 2012-2013. Fellowships vary by country/geography and the students will be informed at the time of the award what the value is for their country/geography. All IBM Ph.D. Fellows are matched with an IBM Mentor according to their technical interests, and they are strongly encouraged to participate in at least one internship at IBM while completing their studies. While students may accept other supplemental fellowships, to be eligible for the IBM Ph.D. Fellowship they may not accept a major fellowship in addition to the IBM Ph.D. Fellowship. Students in Europe and Russia may accept government scholarships and remain eligible for the IBM Ph.D. Fellowship.

We look forward to receiving your department's nominations.

For further information, see your IBM contact, visit the website above, or contact phdfellow@us.ibm.com

Thank you.
IBM Global University Relations and Innovation Programs