NEU-UPRM IGERT DOCTORAL TRAINING PROGRAM
INTELLIGENT DIAGNOSTICS FOR AGING CIVIL INFRASTRUCTURE

- Brings together experts in **civil engineering, computer / signal processing** and **public policy** in a two-campus, interdisciplinary research and education program for training

- Trains and forms engineering leaders who can apply multidisciplinary skills to address intelligent diagnostics issues in a wide range of physical systems, within the context of public policy
  - address technical and societal challenges associated with aging infrastructure and with damage due to natural or manmade disasters
  - systematically monitor the health of our civil infrastructure
  - prescribe cost effective procedures for the remediation of problems
  - prevent catastrophic collapse
Integrates multidisciplinary coursework, testbeds & real world data, established partnerships, and multicultural education to provide a framework that addresses urban and public policy needs, technology challenges, and global workforce needs to brain leaders in technical and societal implications of Intelligent Diagnostics for Aging civil Infrastructure.
NEU-UPRM IGERT DOCTORAL TRAINING PROGRAM
INTELLIGENT DIAGNOSTICS FOR AGING CIVIL INFRASTRUCTURE

The INTELLIGENT DIAGNOSTICS IGERT will integrate
- Multidisciplinary Coursework
- TestBED & Real World Data
- Established Partnerships
- Multicultural Education

- to provide a framework that addresses
  - Urban & Public Policy Needs
  - Technology Challenges
  - Global Workforce Needs

- to train LEADERS in
  - Technical & Societal Implications of Intelligent Diagnostics for Aging Civil Infrastructure

Industrial & government partners provide internship opportunities, access to field sites & relevant problems. Some IGERT Fellows will transition to industry sponsored projects.

Integrated Education & Research for Intelligent Diagnostics

International research partners provide opportunities for collaborative research projects, data sharing, access to field sites, and multicultural mentoring and training.
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Stipends and Benefits
- Stipend $30,000/yr for 2 years
- $10,900/yr for education allowance, travel, and research related activities
- Graduate Assistantship after year 2
  - Internships
  - International training

1st Cohort Academic Year 2008-2009
Applications on Spring 2008

Eligibility
U.S. Citizen or Permanent Resident
## Contacts

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<tr>
<th>Faculty</th>
<th>UPRM Ext.</th>
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<tbody>
<tr>
<td><strong>UPRM (PI)</strong></td>
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<td>Civil Engineering</td>
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