

MSI Vision and the Road Ahead

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MSI Program Vision

“By investing in people, helping them reach their full potential, and rewarding their creativity, we will unleash the natural creativity and ingenuity of the human mind, create new jobs, train workers to fill them, and make our Nation and the world a safer, cleaner, and better place to live”.

American Competitiveness Initiative
Executive Summary, White House 2006

Strengthen S&T through enhancing MSIs:
Awareness → Access → Opportunity



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MSI Program Goals



Evaluate/Refine Pilot Programs

Create Inter-agency Partnerships

Integrate & Foster MSI & COE Collaboration

Enhance MSI Competitiveness

Build MSI Capacity

Raise MSI Awareness of Opportunities



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Raise MSI Awareness of S&T Opportunities

- **S&T Familiarization Workshops for MSI Research Deans**
 - 3 regional workshops with approximately 50 participants held on university campuses.
 - Each workshop provides an opportunity for the MSI participants to learn about the Centers of Excellence sponsored by UP and allows discussions with Center representatives.
 - Participants are given an overview of the organizational structure and research priorities of the S&T Directorate.
 - Disseminate information about open funding opportunities, ways to partner with existing COEs, and discussions about competition guidelines for open solicitations.



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Raise MSI Awareness of S&T Opportunities

- Enhancing Outreach Efforts
 - Creating a database of minority STEM professional associations and lead POCs at MSIs
 - Participation in minority science professional association meetings
 - Outreach and one-on-one meetings with institutions, groups, federal agencies
 - Postings to minority scientist list-servs, websites, and magazines



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Build Capacity at MSIs To Teach Homeland Security Related Courses And Investigate Homeland Security Problems

- **MSI Summer Workshop on Teaching About Terrorism (SWOTT)**

- Goals:

- Create a capacity at MSIs for collaborative research projects focusing on terrorism & counter-terrorism;
- Introduce professors at MSIs to the best practices of teaching and researching terrorism and homeland security;
- Network a new cadre of terrorism and homeland security scholars from MSIs with our COEs
- Provide a forum for communication and feedback on homeland security teaching and research techniques.



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Build Capacity at MSIs To Teach Homeland Security Related Courses And Investigate Homeland Security Problems (cont'd)

- **MSI Summer Workshop on Teaching Terrorism**
 - One week summer workshop
 - 40 MSI participants (professors and advanced graduate students) chosen competitively.
 - Team of guest speakers, including speakers from the DHS Centers of Excellence, and workshop directors lead sessions on various topics related to terrorism, counter-terrorism, and homeland security.
 - Will provide internet resources for teaching and researching terrorism (database links, powerpoint slides, syllabus bank, readings).
 - Develop a quarterly newsletter and email discussion list to maintain a community of MSI scholars.



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Summer Workshop on Teaching About Terrorism

- **APPLY NOW!!!**
- **FOR MINORITY SERVING INSTITUTIONS**
- **June 17–23 at Morehouse College in Atlanta, GA**
- **Application deadline: April 27, 2007**
- **Applications and information are available at**
http://www.swott.com/swott07_msi.htm
- **All travel and living expenses will be paid by DHS**



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Build Capacity at MSIs To Teach Homeland Security Related Courses And Investigate Homeland Security Problems (cont'd)

- **MSI Summer Research Team Program**
 - Engage early career faculty, along with undergraduate and graduate students, in mission relevant research;
 - Advance research areas of importance to DHS;
 - Strengthen and diversify the talent pool of scientists and engineers affiliated with our COEs.
 - Teams consist of one faculty and up to two students. Conduct collaborative research at a COE during a 10 -12 week full-time research experience at the COE.
 - Competitive funding opportunity to continue/extend summer research projects with a COE investigator.



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Enhance Capacity at MSIs

- **2007 DHS Scientific Leadership Awards for MSIs**
 - Awards to accredited MSIs that grant degrees at the Associates level through Doctorate level
 - Grants are from \$200K to \$300K for up to three years
 - Used to support early career faculty to establish or expand
 - Research programs in Homeland Security (HS) STEM fields
 - Curricula related to HS-STEM
 - Educational opportunities in HS STEM fields
 - Training activities in HS STEM
 - Scholarships to Undergraduate students studying in HS STEM related fields
 - Additional information on www.grants.gov



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Enhance Capacity at MSIs (cont'd)

- **MSI Matchmaking Website To Foster Collaboration on New COE Solicitations and Partner with Existing COEs**
 - Developed an online matching service to connect MSI investigators or institutions that are interested in creating or joining COEs.
 - Hosted on www.sciencetosecurity.org web portal.
 - New and existing COEs are expected to use the site to form and/or enrich consortia



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MSI Road Ahead

*“To protect America we need to involve ALL Americans”
Jay Cohen 1/29/07)*



- **Explore** (education/awareness raising activities/ outreach to minority scientists about ways to partner to address DHS problems)
- **Experience** (internships/ applied research experiences/ collaborations with COEs/ participation in DHS S&T conferences)
- **Enrich** (homeland security workforce of tomorrow at DHS, national labs, COEs, private industry)



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