

American Competitiveness and Innovation (ACI) Fellows in the Division of Materials Research

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ACI Fellows

- Created in 2008, DMR's Division Director Lance Haworth
- Continued in 2009 and 2010 under DMR's Division Director Zakya Kafafi
- a new recognition for grantees who have demonstrated a combination of **transformative research accomplishments** and outstanding contributions toward **education, mentoring, and broadening participation** of women, underrepresented minorities, and people with disabilities
 - Nominated by Program Directors (PDs); selected by management

Division of Materials Research (DMR) - US National Science Foundation (NSF) - Internet Explorer provided by National

http://www.nsf.gov/div/index.jsp?div=DMR

nsf.gov - Division of Materials Research (DMR) - US N...

Other Types of Proposals

- Merit Review
- NSF Outreach
- Policy Office

Additional DMR Resources

- DMR Proposal Submission Deadline
- Broadening Participation
- Professional Societies
- Materials Websites
- NSF Guide to Proposal Writing
- Links for Kids
- Interagency Coordinating Committee on Ceramics Research and Development (ICCCRD)

Other Site Features

- Special Reports
- Research Overviews
- Multimedia Gallery
- Classroom Resources

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DMR discourages the submission of more than one proposal from the same Principal Investigator during the proposal-submission window.

Special Announcements

Requesting Community Input for DMR Instrumentation and Facilities Portfolios. ([PDF](#))

[MPS Alliances for Graduate Education and the Professoriate - Graduate Research Supplements \(AGEP-GRS\) Dear Colleague Letter NSF 12-021](#)

[Dear Colleague Letter](#): Division of Materials Research (DMR), Directorate of Mathematical and Physical Sciences (MPS) Employment Opportunity ([HTML](#))

Dear Colleague Letter: Designing Materials to Revolutionize and Engineer our Future - DMREF ([HTML](#)) ([PDF](#)) ([TXT](#))

DMR Webinar - Materials Research Centers and Teams MRCT Webinar Files ([Details](#))

NSF Division of Materials Research announces American Competitiveness and Innovation Fellows - 2010 Cohort([PDF](#))

NSF Division of Materials Research announces American Competitiveness and Innovation Fellows - 2009 Cohort([PDF](#))

NSF Division of Materials Research announces American Competitiveness and Innovation Fellows - 2008 Cohort([PDF](#))

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Recognition +

- Existing awardees: supplement + 2 year creativity extension
- New awardees: higher \$-level + longer duration award
- 2008: 12 recipients
- 2009: 6 recipients
- 2010: 10 recipients



The American Competitiveness Initiative (ACI) was signed into law in 2007 and has since been replaced by the America COMPETES Act.

CER Nominations 2008

- Professor **Richard K. Brow**, Department of Ceramic Engineering, Missouri University of Science and Technology,
"for his transformative research on glasses and his steady contribution to the mentoring and training of young women in materials science and engineering at both the undergraduate and graduate levels".
- Professor **Sossina M. Haile**, Department of Materials Science, California Institute of Technology,
"for her timely and transformative research in the energy field and her dedication to inclusive mentoring, education and outreach across many levels."

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CER Nominations 2009

- Professor **Juan C. Nino**, Department of Materials Science and Engineering, University of Florida,
"for his ground-breaking work on fluorite related ceramics, and his mentorship of young women and Latinos/Hispanics interested in electroceramics."

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CER Nominations 2010

- Tewodros Asefa, Rutgers University New Brunswick, Chemistry & Chemical Biology, (DMR-0968937)
- *Professor **Tewodros Asefa** is recognized for his innovative approaches on nanoporous materials, and his dedication to inclusive teaching across the spectrum to all age groups.*
- Katherine T. Faber, Northwestern University, Materials Science & Engineering, (DMR-0710630)
- *Professor **Katherine T. Faber** is recognized for her leadership in both the field of ceramics and in the advancement of women in science and engineering.*

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What can we learn?

- What enabled these researchers to do top-notch research?
- How did they succeed in broadening participation?
- What advice do they have?
- What did the creativity extension enable them to do?

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