



**NSF Workshop on Improving Domestic Student Participation in
Electrical and Computer Engineering Graduate Programs**

**University Conference Center - Knoxville, TN
October 26-27, 2009**

Presentations

Understanding the driving forces inhibiting domestic graduate student enrollment and retention

The non-academic perspective: employment profile and requirements for Ph.D. graduates and its impact on student demographics • Impact of industry requirements and expectations • Role of national laboratories and government employers

Targeting the source of the problem: attracting undergraduate students to graduate programs

Benefits of employment-oriented experience opportunities and the role of professional societies

Attracting students from underrepresented groups and the role of land-grant institutions



Breakout Sessions

Short and long term strategy for addressing key issues,
including prioritized action plan

Solutions for recruiting students from underrepresented and
minority groups

Potential coordinated campaign for emphasizing long-term
career benefits of obtaining graduate degrees



Some Suggested Action Items

Data gathering

- New surveys

- Data collection

- Continuous gathering - Benchmark other countries

Identifying best practices

- Website through ?

- Pointers to good websites; appropriate ways of sharing data

Campaigns / publicity

- IEEE role

- Marketing

- Clearinghouse of grad students – grad exchange

Recommendations to NSF

- Program based model – e.g., E(ng)GERT

- Continue/increase successful programs (e.g., REU)

- Follow on meeting?

Schedule

- Preliminary report by end of March – sent out for comment / contributions
- Final report July 2010 – sent out (USB drive prepared)
- If follow on workshop, where?