



Center for the Integration of Research, Teaching, and Learning (CIRTL) Network  
Invites you to the

# 13<sup>th</sup> Annual Science, Technology, Engineering and Mathematics (STEM) Education Scholars Program

**Best Practices in Science Technology, Engineering, and Mathematics (STEM) Education**

*A professional development opportunity for non-tenured faculty,  
post-doctoral associates, and academic-track Ph.D. candidates.*

**Tuesday – Thursday, June 23-25, 2009  
Nashville, Tennessee**

**Hosted by Vanderbilt University  
Tom Harris, Biomedical Engineering, Program Director**

So you have just hired a top assistant professor... Your college and department spent time and money to find and hire the ideal candidate. Your start-up package will help the assistant professor launch a productive research program. But how ready is your new hire for the classroom? To foster student learning? To take an active role in the department?

In this immersion program, faculty and future faculty will

- Practice techniques for engaging students in active learning;
- Apply their research skills to improving their own teaching;
- Develop a lasting learning community with other new STEM faculty across the CIRTL Network;
- Teach through diversity in terms of learning styles, culture, age, gender, academic background, and interests;
- Develop confidence in creating effective learning environments for students and faculty.
- Invest \$1000 (plus lodging and transportation) to “jump start” an effective teaching career or sponsor future faculty.

Nationally-recognized facilitators:

Derek Bruff, Center for Teaching, Mathematics, Vanderbilt University

Karl Smith, Engineering, Purdue University

Richard Cyr, Biology, Pennsylvania State University

Alene Harris, Teaching & Learning, Vanderbilt University

## History

The Center for the Integration of Research, Teaching, and Learning (CIRTL) is pleased to sponsor this learning experience and to integrate “best practices in STEM education” into the learning experience. Historically, the Science & Engineering Education Scholars Program (now STEMES) was initiated in 1996 at the University of Wisconsin – Madison with support from the NSF. Similar programs were hosted by Stanford, Carnegie Mellon, and the Georgia Institute of Technology. Institutional sponsorship has allowed the program to continue and to expand its reach. Denise Denton was PI for the University of Wisconsin – Madison program.

For more information, contact Kitch Barnicle ([kabarnicle@wisc.edu](mailto:kabarnicle@wisc.edu)).

Local coordinator: Jean Alley ([jean.m.alley@vanderbilt.edu](mailto:jean.m.alley@vanderbilt.edu))

STEMES 2009 website: <http://www.cirtlcafe.net/STEMES2009>

*This publication is available in alternative media on request.*

*Vanderbilt University is committed to the affirmative action, equal opportunity, and the diversity of its workforce.  
This material is based upon work supported by the National Science Foundation under Grant No. 0227592.*

