

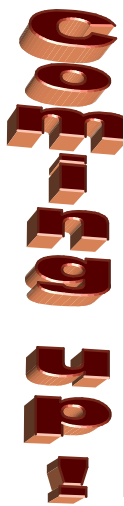


<http://www.foundationcoalition.org>

From **Jeff Froyd**, Project Director

Each month people across the Foundation Coalition make exciting things happen.

- Many people collaborated to offer nine workshops at the Share the Future III Conference, hosted by the [Greenfield](#), [SUCCEED](#), [Gateway](#), and [Foundation](#) engineering education coalitions. More information about the workshops will soon be available on the past workshops page, <http://fc1.tamu.edu/events/workshops/pastworkshops.html>.
- The FC Web site (<http://www.foundationcoalition.org>) has a new look and feel that I think is attractive and easy to navigate. Many people provided information that is available on the new Web site, but the work of reconstructing and restructuring the new site was done primarily by Prakaimook Sreshthaputra, Grishma Sheth, Mohit Dewan, and Brenda Bridges. I hope you enjoy the appearance and information on the Web site. Contributions to expand the Web site are always welcome.
- Russ Pimmel, David Cordes, Chuck Karr, Joey Parker, and John Mitchell hosted associate deans of engineering from across the Southeastern Conference in Atlanta on 21 March 2002. They planned a larger meeting to be held at Vanderbilt University on 13–14 May 2002. The meeting will address three issues: diversity, foundation/first-year, and information technology. For details, please see <http://fc1.tamu.edu/events/news/undergraded.html>.
- New compact summaries are available.
 - Forming teams (http://fc1.tamu.edu/publications/brochures/2002-Mar-01_Forming_Teams.pdf)
 - Assessment instruments for attitudes, perceptions, and process skills (http://fc1.tamu.edu/publications/brochures/2002-Feb-27_Assessment_Attitudes_and_Skills.pdf)
 - Conservation and accounting framework (http://fc1.tamu.edu/publications/brochures/2001-Aug-17_CAF_One_Page_Introduction.pdf)
- Rita Caso, Susan Haag, and Ann Kenimer offered an assessment workshop at Louisiana Tech, while Jim Morgan offered workshops at the University of Maine.



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| May 9–10 | Freshman Innovations Miniconference at the University of Michigan, Ann Arbor
This FC-funded miniconference is by invitation. The contact person is John Mitchell (e-mail: mitchell@engr.wisc.edu). Read more. |
| May 13–14 | Undergraduate Educational Issues in SEC Engineering Schools Meeting in Nashville TN. Read more. |
| May 16–17 | Miniconference on the energy stem in the mechanical engineering curriculum will focus on two major issues: (a) integration of courses across the energy curriculum (including the conservation approach); (b) concept inventories for thermodynamics, fluid mechanics, and heat transfer. More in the next issue. |
| Jun 16–19 | American Society for Engineering Education Annual Conference and Exposition in Montréal, Québec, Canada. Read more. |

Susan Haag says, "Please access this Web page to see the wonderful workshop we just conducted!" Go to http://www.eas.asu.edu/~assess/louisiana_tech.html

Foundation Coalition papers to be presented at the 2002 ASEE Conference

Fourteen papers and a panel at the upcoming 2002 ASEE Conference indicate the wide range of activities and results across the Foundation Coalition. You can find more information (where available) about the papers by clicking on a link for either the abstract or the paper.

A Systemic Change Model in Engineering Education and its Relevance for Women

Rita Caso, Carolyn Clark, Jeff Froyd, Ahmer Inam, Ann Kenimer, Jim Morgan, Jan Rinehart
Texas A&M University

[Abstract](#) [Paper](#)

Carry-over Effects of a Freshman Engineering Program as Identified by Faculty Ratings

John Dantzler, Jim Richardson, Kevin Whitaker
University of Alabama

[Abstract](#) [Paper](#)

Building Community through Clustered Courses

Ann Kenimer, Jim Morgan
Texas A&M University

[Abstract](#) [Paper](#)

Modeling the Student Experience in an Experiential Design Course: Faculty Projects

Jennifer Kushner Jay Martin
University of Wisconsin Madison

[Abstract](#) [Paper](#)

Active/Cooperative Learning: A Discipline-specific Resource for Engineering Education

Susan Ledlow, J. White-Taylor, Don Evans
Arizona State University

[Abstract](#) [Paper](#)

Killing Two Birds with One Data Acquisition System

J. Mayhew, Richard Layton
Rose-Hulman Institute of Technology

[Abstract](#) [Paper](#)

Institutional Perspectives on the Integration of Engineering and the Liberal Arts

Panel Moderators: Borjana Mikic (Smith College), Sarah Pfatteicher (University of Wisconsin)
Panelists: Gary Herrin (University of Michigan), Bruce Keith (USMA West Point), Rob Martello (Olin College), Wade Robison (Rose-Hulman Institute of Technology), and Steven Eisenberth (Baylor University)

[Description](#)

'Designs Not Considered': The Limitations of Using Retention as an Indicator of Diversity in Engineering Education

Alice Pawley
University of Wisconsin Madison

[Abstract](#) [Paper](#)

Preferred Learning Activities

Russ Pimmel
University of Alabama

[Abstract](#) [Paper](#)

Changes in Student Confidence Resulting from Instruction with Modules on EC 2000 Skills

Russ Pimmel, Robert Leland, Harold Stern
University of Alabama

[Abstract](#) [Paper](#)

Student Evaluation of Instructional Modules on EC 2000 Criteria 3 (a)–(k) Skills

Russ Pimmel, Robert Leland, Harold Stern
University of Alabama

[Abstract](#) [Paper](#)

A Simple and Effective Curriculum Assessment Procedure

Jim Richardson
University of Alabama

[Abstract](#) [Paper](#)

Short, Instructional Module to Address Lifelong Learning Skills

Beth Todd
University of Alabama

[Abstract](#) [Paper](#)

The Signals and Systems Concept Inventory

Kathleen Wage (George Mason University), John Buck (University of Massachusetts Dartmouth), T. Welch, (United States Naval Academy), and C. Wright, (United States Air Force Academy)

[Abstract](#) [Paper](#)

Effective Practices in the Electrical Systems Service Course

Edward Wheeler, Cliff Grigg, Zachariah Chambers, Richard Layton
Rose-Hulman Institute of Technology

[Abstract](#) [Paper](#)