



Engineering Fundamentals Welcomes Two New People



Engineering Fundamentals offers a warm welcome to our newest lecturer **Betsy White**. Betsy received her B.S. in Biomedical Engineering from the University of Tennessee in 2004 with a minor in Materials Science and Engineering. She received her Master's degree in Biomedical Engineering in 2007, also from UT. To our delight, Betsy decided to depart from her former employment as a math instructor at the King's Academy in Seymour, TN to teach EF 105, Computer Methods in Engineering Problem Solving, and co-teach EF 152, Physics for Engineers II.



Another new member to the EF family is **Frances Nichols**. Frances is a Knoxville native who received undergraduate degrees in History and Classical Civilization with a minor in Anthropology from the University of Tennessee, and a Masters from the University of Kentucky in British History. She has diverted from her educational training to assist EF recitations; keeping the equipment organized, inventoried, and keep everything running smoothly. She is delighted to be working with the friendly professors and staff in the Engineering Fundamentals, and is looking forward to an adventuresome semester.

National Science Foundation Research Grants

The National Science Foundation recently awarded two research grants that benefit Engineering Fundamentals. The first grant is a 5-year \$2,000,000 project entitled, "Research and Instructional Strategies for Engineering Retention—RISER." Dr. Claudia Rawn of Materials Science and Engineering is the Principal Investigator with Dr. Richard Bennett being a Co-Investigator. The second grant is a 2-year \$150,000 proposal entitled, "Increasing Student Engagement in Homework.." Dr. Bennett is the Principal Investigator with Taimi Olsen of the Tennessee Teaching and Learning Center being a Co-Principal Investigator. More news to come in future issues, so stay tuned to learn how these exciting projects unfold.



Richard Bennett wins Outstanding Paper Award at Masonry Conference

Engineering Fundamentals offers its kudos to Dr. Richard Bennett! In addition to his work in EF, Dr. Bennett actively participates in masonry research and code work. This summer he won an award for an Outstanding Paper at the 11th North American Masonry Conference held in Minneapolis, Minn. from June 6-8. The paper titled, "Allowable Stress Recalibration in the 2011 TMS 402 Code," examined a major change in structural masonry design provisions. Bennett is the primary author, with co-authors being Edwin Huston (Smith and Huston, Inc.), David McLean (Washington State University) and Diane Throop (International Masonry Institute).