Values

• develop student thinking and problem solving
• integrate real world issues with theories in STEM
• respond to employer needs and expectations
• use educational research and student assessment to inform innovations in education

Editor-in-Chief

P. K. Raju
Thomas Walter Professor
Director, LITEE
Department of Mechanical Engineering
1418 Wiggins Hall, Auburn University, AL 36849
Phone: (334) 844-3301 Fax: (334) 844-3307
Email: pkraju@auburn.edu

Managing Editor

Chetan S. Sankar
Department of Management
415 West Magnolia Avenue, Suite 401
Auburn University, AL 36849
Phone: (334) 844-6504 Fax: (334) 844-5159
Email: sankacs@auburn.edu

Mission Statement

To promote high-quality undergraduate education in science, technology, engineering, and mathematics through peer-reviewed articles that provide

• Case studies and other innovations in education
• Well founded in STEM content
• Informed by educational research
• Tested through assessment of impact on student learning
• Results from educational research that informs teaching and learning in STEM
• Recent developments that impact STEM education in such areas as policy and industry needs

International Editorial Advisory Board Members

M. Dayne Aldridge, Adjunct Accreditation Director for Engineering, ABET, Washington, DC
Timothy J. Anderson, Dean, College of Engineering, University of Massachusetts, Amherst
Cynthia Atman, Director, Center for Engineering Learning and Teaching, University of Washington, WA
Frank S. Barnes, Distinguished Professor, Electrical and Computer Engineering, University of Colorado, Boulder, CO
Myles Boylan, Program Director, National Science Foundation
John D. Bransford, James W. Mifflin University Professorship and Professor, College of Education, University of Washington, WA
K. Chandrasekaran, Dean and Professor, R.M.K. Engineering College, Kavaraipettai, Tamil Nadu State, INDIA
Victor L. Cubillos, Rector, Universidad Austral de Chile, Valdivia, CHILE
Tim Edlund, Past President, NACRA, Associate Professor, Earl G. Graves School of Business and Management, Morgan State University, MD
Lyle Feisel, Retired, Dean Emeritus of Thomas J. Watson School of Engineering and Applied Science, Binghamton University, NY
Richard Felder, Hoechst Celanese Professor Emeritus, Department of Chemical Engineering, North Carolina State University, NC
Norman Fortenberry, Executive Director, American Society for Engineering Education, Washington, DC
Wallace T. Fowler, University Distinguished Teaching Professor, Department of Aerospace Engineering and Engineering Mechanics, The University of Texas at Austin, TX
Eli Fromm, Director, Center for Educational Research, Drexel University
Mythreyee Ganapathy, University Relations Manager, Microsoft India, Hyderabad, INDIA
Lothar Gaul, Director, Institut für Mechanik, University of Stuttgart, GERMANY
Alain Gerard, Professor, Laboratoire de Mécanique Physique, Universite Bordeaux, FRANCE
George Hairston, Retired Chairman, Southern Nuclear Operating Company, Inc., Birmingham, AL

Mario Letelier, Director, Center for Research in Creativity and Higher Education, University of Santiago de Chile, CHILE
Lillian C. McDermott, Professor of Physics, University of Washington, WA
Nam P. Suh, Chairman, Board for Information Technology Education Standards, Bangalore, INDIA

Journal of STEM Education

Volume 15 • Issue 1 • January-April 2014

3