

BUSINESS ADDRESS:
Chemical Engineering Education
5200 NW 43rd St., Suite 102-239
Gainesville, FL 32606
PHONE: 352-682-2622
FAX: 866-CEE-0576
email: cee@che.ufl.edu

EDITOR

Phillip C. Wankat

ASSOCIATE EDITOR

Donald P. Visco, Jr.

ASSISTANT EDITOR

Joseph H. Holles

MANAGING EDITOR

Lynn Heasley

LIFELONG LEARNING EDITOR

Lisa G. Bullard, North Carolina State University

PROBLEMS EDITOR

David Silverstein, University of Kentucky

ACCESS EDITOR

Carlos Rinaldi, University of Florida

PUBLICATIONS BOARD

• CHAIR •

Milo Koretsky
Oregon State University

• VICE CHAIR •

Adrienne R. Minerick
Michigan Technological University

• MEMBERS •

Jason Bara
University of Alabama

Taryn Bayles
University of Pittsburgh

Lorenz Biegler
Carnegie-Mellon University

Cheryl Bodnar
Rowan University

Daniel D. Burkey
University of Connecticut

John Falconer
University of Colorado

Stephanie Farrell
Rowan University

Tamara Floyd-Smith
Tuskegee University

Laura Ford
University of Tulsa

LaRuth McAfee
University of Wisconsin

Polly Piergiovanni
Lafayette College

Stewart Slater
Rowan University

Uttandaraman Sundararaj
University of Calgary

Ashlee Ford Versypt
Oklahoma State University

Chemical Engineering Education

Volume 53 Number 1 Winter 2019

► **SOFTWARE**

- 10 Automated Information Retrieval for Efficient and Consistent Grading of Flowsheets Developed in Aspen® Plus Process Simulator
Scott C. Jackson, Dorothy Skaf

► **SURVEY**

- 45 *Chemical Engineering Education* Reader Survey
Phil Wankat

► **CLASSROOM**

- 18 All Roads Start With MEB: A Team-Teaching Approach for Mentoring New Faculty
Lisa G. Bullard, Richard M. Felder

► **CURRICULUM**

- 2 Challenges to Learning and Teaching Thermodynamics
John P. O'Connell
- 33 Leadership Skills Awareness and Development via Interactive Engineering Courses or Workshops
Dennis W. Hess

► **LIFELONG LEARNING**

- 42 What Students and Faculty Should Know About Professional Licensure
John E. Wagner, William R. Parrish, Lisa G. Bullard

► **CLASS AND HOME PROBLEMS**

- 23 Illustrating the Benefits of Embracing an Integrated Applied Mathematics Initiative: Transport Parameters, Laplace Transforms, and Residue Theorem
Robert J. Fisher

► **OTHER CONTENTS**

- 22 Guest Editorial—Two Challenges in Teaching Transport Phenomena
Francisco J. Valdés-Parada
- 55 Guest Editorial—Students Are a Lot Like... Tomatoes
Matthew Cooper
- 52 Book Review—*Leadership by Engineers and Scientists: Professional Skills Needed to Succeed in a Changing World*, by D.W. Hess
Milo D. Koretsky
- 52 Book Review—*Bad Blood: Secrets and Lies in a Silicon Valley Startup*, by J. Carreyrou
Milo D. Koretsky
- 56 Winter 2019 USPS Statement • Website & Editorial Notifications
Lynn Heasley

► **DRAWN TO ENGINEERING**

- 63 Idea Theft
Lucas Landherr, Monica Keszler

CHEMICAL ENGINEERING EDUCATION [ISSN 0009-2479 (print); ISSN 2165-6428 (online)] is published quarterly by the Chemical Engineering Division, American Society for Engineering Education. Correspondence regarding editorial matter, circulation, and changes of address should be sent to CEE, 5200 NW 43rd St., Suite 102-239, Gainesville, FL 32606. Copyright © 2019 by the Chemical Engineering Division, American Society for Engineering Education. The statements and opinions expressed in this periodical are those of the writers and not necessarily those of the ChE Division, ASEE, which body assumes no responsibility for them. Valid defective copies replaced if returned within 90 days of publication. Write for information on subscription costs and for back copy costs and availability. POSTMASTER: Send address changes to Chemical Engineering Education, 5200 NW 43rd St., Suite 102-239, Gainesville, FL 32606. Periodicals Postage Paid at Gainesville, Florida, and additional post offices (USPS 101900). <http://journals.fcla.edu/cee/index>