

BUSINESS ADDRESS:
Chemical Engineering Education
675 Wolf Ledges Parkway, Suite 2459
Akron, OH 44309-2459
PHONE: 352-682-2622
FAX: 866-CEE-0576
email: cee@che.ufl.edu

EDITOR
Donald P. Visco, Jr., University of Akron

ASSOCIATE EDITOR
Joseph H. Holles, University of Wyoming

**ASSOCIATE EDITOR &
LIFELONG LEARNING EDITOR**
Lisa G. Bullard, North Carolina State University

ASSISTANT EDITOR & PROBLEMS EDITOR
David Silverstein, University of Kentucky

ACCESS EDITOR
Carlos Rinaldi, University of Florida

PREVIOUS EDITOR
Phillip C. Wankat, Purdue University

PUBLICATIONS MANAGER
Erin Stevic

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

Matthew Cooper
North Carolina State University

John Falconer
University of Colorado

Laura Ford
University of Tulsa

Ashley Ford Versypt
Oklahoma State University

LaRuth McAfee
University of Wisconsin

Polly Piergiovanni
Lafayette College

Stewart Slater
Rowan University

Uttandaraman Sundararaj
University of Calgary

Chemical Engineering Education

Volume 54 Number 1 Winter 2020

► EDITORIAL

- 2 A New Decade, New Leadership
Donald P. Visco Jr.
- 3 Farewell and Thank You to Editor Phil Wankat
CEE Editorial Staff

► CLASSROOM

- 35 Augmenting the Classical Change Model to Promote Conceptual Learning in Core Engineering Courses
Michael Prince, Milo Koretsky, Brian Self, Margot Vigeant

► LIFELONG LEARNING

- 14 Alternatives to the Tenure Track
Taryn Melkus Bayles
- 32 “Help Me Help You”: Implementing Reference Request Guidelines to Improve the Recommendation Letter Process
Deborah S. Goldberg

► SAFETY

- 9 Student Evaluations of U.S. Chemical Safety Board Case Study Videos Using a ChE Process Safety Assignment
Matthew E. Cooper
- 22 Revealing the Decision-Making Processes of Chemical Engineering Students in Process Safety Contexts
Cheryl Bodnar, Emily Dringenberg, Brittany Butler, Daniel Burkey, Daniel Anastasio, Matthew Cooper

► DRAWN TO ENGINEERING

- 43 Mentoring: In Honor of Phil Wankat
Lucas Landherr, Dee Nguyen

► TEACHING TIPS

- 31 Teaching Tips: Are Our Students Studying Effectively?
John L. Falconer
- 42 Teaching Tips: Design Your Course to Minimize Cheating
Joseph H. Holles

► OTHER CONTENTS

- 45 Winter 2020 USPS Statement
Erin Stevic

Inside front cover: 2019 ConocoPhillips Lecturer in Chemical Engineering Education, Dr. Stephanie Farrell

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, 675 Wolf Ledges Parkway, Suite 2459, Akron, OH 44309. Copyright © 2020 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, 675 Wolf Ledges Parkway, Suite 2459, Akron, OH 44309. Periodicals Postage Paid at Gainesville, Florida, and additional post offices (USPS 101900). <https://journals.fvc.org/cee/index>