

BUSINESS ADDRESS:
Chemical Engineering Education
675 Wolf Ledges Parkway, Suite 2459
Akron, OH 44309-2459
PHONE: 352-682-2622
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

ASSISTANT EDITORS

Allison Godwin, Purdue University

Monica Lamm, Iowa State University

Justin Shaffer, Colorado School of Mines

Troy Vogel, University of Notre Dame

ACCESS EDITOR

Carlos Rinaldi, University of Florida

PUBLICATIONS MANAGER

Erin Stevic

PUBLICATIONS BOARD

• CHAIR •

*Milo Koretsky
Tufts University*

• VICE CHAIR •

*Adrienne Minerick
Michigan Technological University*

• MEMBERS •

Jason Bara (Alabama)

Taryn Bayles (Pittsburgh)

Lorenz Biegler (Carnegie-Mellon)

Cheryl Bodnar (Rowan)

Daniel Burkey (Connecticut)

Jennifer Cole (Northwestern)

Matthew Cooper (NC State)

John Falconer (Colorado)

Laura Ford (Tulsa)

Ashlee Ford Versypt (Buffalo)

LaRuth McAfee (Delaware)

Polly Piergiovanni (Lafayette)

Stewart Slater (Rowan)

Uttandaraman Sundararaj (Calgary)

Chemical Engineering Education

Volume 55 Number 3 Summer 2021

► **FOOD FOR THOUGHT**

134 Edible Thermodynamics
Margot Vigeant

► **CLASSROOM**

137 Fifteen Years In The Trenches: An Updated Suite Of Scenario-Based Academic Integrity Videos
Adam T. Melvin, Lisa G. Bullard

175 Impact of YouTube Homework Problems on Students' Learning Attitudes
Uchenna Asogwa, T. Ryan Duckett, Gale Mentzer, Matthew W. Liberatore

► **CLASS AND HOME PROBLEMS**

183 Virtual Catalytic Reactor Laboratory
John L. Falconer, Neil Hendren

► **CURRICULUM**

122 Supporting Authentic Problem-Solving Through a Cornerstone Design Course in Chemical Engineering
Eric Burkholder, Lisa Hwang, Carl Wieman

157 Teaching Process Design to Chemical Engineering Undergraduates at the Technion – an Evolution
Daniel R. Lewin, Abigail Barzilai

► **LABORATORY**

147 What's Happening in Lab? Multi-Dimensional Assessment Tools to Track Student Experience through a Unit Operations Laboratory Sequence
Heather C.S. Chenette, Gregory T. Neumann, Daniel D. Anastasio

► **DRAWN TO ENGINEERING**

173 The Future is Meow
Lucas Landherr, Monica Keszler

► **TEACHING TIPS**

146 Planning for Remote or Socially-Distanced Labs
Laura P. Ford, Tracy Carter, Jennifer Pascal

► **OTHER**

136 *In The (Fume) Hood*: A Podcast for Chemical Engineering Educators

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 © 2021 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>