CLASS AND HOME PROBLEMS
183 Analogy Between Heat Exchanger and Packed Column Calculations
Mingheng Li

CLASSROOM
175 Connecting Energy Dispersal and the Classical Definition of Entropy
Thomas Moore

CURRICULUM
156 Assessment of Short and Longer-Term Impacts of a 1-Credit Chemical Engineering First-Year Seminar
Deborah S. Goldberg, Ganesh Sriram
199 A Hands-On Course on Intensified Membrane Processes for Sustainable Water Purification
Itzel Márquez, A. Eduardo Sáez, Kimberly L. Ogden, Andrea Achilli

DEPARTMENT PROFILE
165 The Department of Chemical and Biomedical Engineering at the FAMU-FSU College of Engineering
Kimberly Hunter, Stephen Arce, Subramanian Ramakrishnan, Daniel Hallinan, Samuel C. Grant, Bruce R. Locke

DRAWN TO ENGINEERING
213 What's Ungrading? [Part 1]
Lucas Landherr, Milena Kozlowska

FOOD FOR THOUGHT
181 Let Them Eat Cake
Margot Vigeant

LABORATORY
190 Fostering Engineering Laboratory Course Teaching by Embedding an Inquiry-Guided Learning Approach Using Computer-Aided Learning Packages: Evaluation of Learning Outcomes in a Cooling Tower Experiment in the Unit Operations Lab
Ahmed M. Elkhatat, Shaheen A. Al-Muhtaseb

OTHER
Daniel Anastasio

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 © 2022 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 CEE 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 101990). https://journals.flvc.org/cee/index