50TH ANNIVERSARY ISSUE

2 Welcome to the 50th Volume Special Issue of CEE

3 CEE Top 5

14 The Evolution of CEE
   Phillip C. Wankat

19 The Future of Engineering Education—Revisited
   Phillip C. Wankat and Lisa G. Bullard

29 A Neuroscience Perspective on Learning
   Dendy Sloan and Cynthia Norrgran

40 Remembering Ray Fahien
   Lynn Heasley and Phillip C. Wankat

48 Spotlight on the Editors

50 Managing Editor History
   Lynn Heasley

EDUCATOR

42 Tim Anderson at the University of Massachusetts-Amherst
   Richard Dickinson and Monique Phears

DEPARTMENT

76 Chemical Engineering at Montana State University
   Jeffrey J. Heys, Abigail M. Richards, and Joseph D. Seymour

OUTREACH

70 Translating University Biosensor Research to a High School Laboratory Experience
   Caryn L. Heldt, Alex Bank, Dylan Turpeinen, and Julia A. King

CURRICULUM

63 Combining Interactive Thermodynamics Simulations with Screencasts and ConcepTests
   John L. Falcoener

CLASSROOM

52 Repairing Student Misconceptions in Heat Transfer Using Inquiry-Based Activities
   Michael Prince, Margot Vigeant, and Katharyn Nottis

RANDOM THOUGHTS

38 Happy Anniversary, CEE
   Richard M. Felder