

DAVID E. CLOUGH, PROFESSOR

Department of Chemical and Biological Engineering
University of Colorado, Boulder, Colorado 80309-0424

Phone: (303) 492-6638; Fax: (303) 492-4341

Email: david.clough@colorado.edu

Website: <http://www.colorado.edu/che/faculty/clough.html>

EDUCATION

Ph.D., University of Colorado, 1975, Chemical Engineering

M.S., University of Colorado, 1969, Chemical Engineering

B.S., Case Institute of Technology, 1968, Chemical Engineering

PROFESSIONAL EXPERIENCE IN EDUCATION

33 years on the faculty of Chemical Engineering at the University of Colorado

University of Colorado, 1992-1999, 2002-2005 Associate Chair, Department of Chemical Engineering

University of Colorado, 1986-1992, Associate Dean for Academic Affairs, College of Engineering and Applied Science

University of Colorado, 1987-present, Professor of Chemical Engineering

University of Colorado, 1981-1987, Associate Professor of Chemical Engineering

University of Colorado, 1975-1981, Assistant Professor of Chemical Engineering

OTHER PROFESSIONAL EXPERIENCE

E. I. du Pont de Nemours & Co., 1969-1972, Engineering Service Division, Chemical Engineer

CONSULTING, PATENTS, ETC.

American Institute of Chemical Engineers, Continuing Education, Spreadsheet Power for Chemical Engineering Calculations, 96 short courses since 1989.

PROFESSIONAL REGISTRATIONS

None

PRINCIPAL PUBLICATIONS IN LAST FIVE YEARS

with Dahl, J. K., V. H. Barocas, and A.W. Weimer, "Intrinsic Kinetics for Rapid Decomposition of Methane in an Aerosol Flow Reactor," *International Journal of Hydrogen Energy*, 27, 377-386, 2001.

with E. M. Bergheim, "Adaptive Generalized Predictive Control," *Proceedings of ISA 2001 Annual Conference and Exposition of the Instrumentation, Systems and Automation Society*, Houston, TX, September 11, 2001.

with S. C. Chapra and G. S. Huvard, "A Change in Approach to Engineering Computing for Freshmen – Similar Directions at Three Dissimilar Institutions," *Proceedings of the 2001 Annual Conference of the American Society for Engineering Education*, Albuquerque, June, 2001.

“ChE’s Teaching Introductory Computing to ChE Students – A Modern Computing Course with Emphasis on Problem Solving and Programming,” Proceedings of the 2002 Annual Conference of the American Society for Engineering Education, Montreal, June, 2002.

“The Missing Link in Process Control Education – Incorporating PLC’s into the ChE’s Control Course,” Proceedings of the 2002 Annual Conference of the American Society for Engineering Education, Montreal, June, 2002.

“Toward A Kinder, Gentler ABET,” Proceedings of the 2004 Annual Conference of the American Society for Engineering Education, Salt Lake City, June, 2004. Selected as the outstanding paper from ASEE Zone IV in 2003.

SOCIETY MEMBERSHIPS

American Institute of Chemical Engineers (AIChE)
American Society for Engineering Education (ASEE)

HONORS AND AWARDS IN LAST FIVE YEARS

Excellence in Service Award, Boulder Faculty Assembly, University of Colorado, 2005

INSTITUTIONAL AND PROFESSIONAL SERVICE IN LAST FIVE YEARS

University of Colorado

Associate Chair of Chemical Engineering, 2002-2005

Faculty Athletics Representative, 2005-

PROFESSIONAL DEVELOPMENT ACTIVITIES IN THE LAST FIVE YEARS

Attendance at Annual Conferences of ASEE, both Rocky Mountain Section & National

Attendance at National Meetings of AIChE

Keywords: process control, instrumentation, process modeling, applied statistics, applied computing