

C. Michael Kelly
Professor Emeritus
Department of Chemical Engineering
Villanova University

Professor and Chairman
Department of Chemical Engineering
Widener University

Education

Ph.D. (Chemical Engineering), Michigan State University, 1970
M.S. (Chemical Engineering), Michigan State University, 1967
B.S. (Chemical Engineering), Michigan State University, 1966

Academic Experience

Widener University, School of Engineering

Professor and Chairman of Chemical Engineering	Sep. 1, 2013 – present
Visiting Professor of Chemical Engineering	Sep. 1, 2012 – present
Adjunct Professor of Chemical Engineering	Sep. 1, 2011 – May 31, 2012

Villanova University, Department of Chemical Engineering

Professor Emeritus	Sep. 1, 2010 – present
Professor	Sep. 1, 1989 – Aug. 31, 2010 [retired Dec. 31, 2009]
Chairman	Sep. 1, 1988 – Aug. 31, 2008
Associate Professor	Sep. 1, 1976 – Aug. 31, 1989
Assistant Professor	Sep. 1, 1969 – Aug. 31, 1976

While Chair, was responsible for teaching the CHE Process Design courses during the academic years from 2001 – 2011. This included the elective course in the design of process equipment and the required course that focused on integrated process design (the capstone ABET design experience in the Villanova CHE curriculum). Both courses heavily utilized ASPEN computer based process design software.

Other Related Experience

Air Products and Chemicals, Trexlertown, PA

(Oct. 1998 – Jan. 2005)

Intermittent part-time consultant to Corporate Technology Partnerships Department; responsibilities included review of technologies unfamiliar to APCI, for potential collaboration in development. (June 1976 – Oct. 1998)

Continuing regular part-time consultant to various technical departments, responsibilities included:

- Analysis and modeling of molecular separation phenomena in porous-media membranes
- Review of experimental design for investigation of chemical vapor deposition processes
- Participation in design team for development of production-scale chemical vapor deposition reactors.
- Technology evaluation for proposed new business ventures that used technology unfamiliar to APCI.
- Technical advisor to marketing group of SRC-1 synthetic fuels joint venture.
- Technical advisor to Health and Environmental Effects study team for SRC-1 joint venture.

(June 1987 – August 1988)

Technical advisor (full-time) to Corporate Science and Technology Department; Direct responsibility for several investigations (reaction mechanisms, heat transfer considerations, fluid dynamic computer simulations) in the development of chemical vapor deposition (CVD) reactors for deposition of tungsten and tungsten-carbide coatings [on sabbatical leave from Villanova].

International Coal Refining Co., Allentown, PA

(June 1981 – August 1982)

Engineering Associate (full-time) responsible for supplying technical liaison to U.S. Department of Energy for preparation of environmental impact study for the commercial-scale demonstration project of SRC-1 synthetic fuels technology; Project Manager for toxicology investigation associated with that project [on leave of absence from Villanova].