

## Editorial

### A Letter to Chemical Engineering Seniors

This is the 14th Graduate Issue to be published by CEE and distributed to chemical engineering seniors interested in and qualified for graduate school. As in our previous issues, we include articles on graduate courses and research at various universities and announcements of departments on their graduate programs. In order for you to obtain a broad idea of the nature of graduate work, we encourage you to read not only the articles in this issue, but also those in previous issues. A list of the papers from recent years follows. If you would like a copy of a previous Fall issue, please write CEE.

Ray Fahien, Editor, CEE  
University of Florida

#### AUTHOR TITLE

##### Fall 1981

|                 |  |
|-----------------|--|
| Abbott          | "Classical Thermodynamics"                         |
| Butt, Kung      | "Catalysis & Catalytic Reaction Engineering"       |
| Chen, et al     | "Parametric Pumping"                               |
| Gubbins, Street | "Molecular Thermodynamics and Computer Simulation" |
| Guin, et al     | "Coal Liquefaction & Desulfurization"              |
| Thomson         | "Oil Shale Char Reactions"                         |
| Bartholomew     | "Kinetics and Catalysis"                           |
| Hassler         | "ChE Analysis"                                     |
| Miller          | "Underground Processing"                           |
| Wankat          | "Separation Processes"                             |
| Wolf            | "Heterogeneous Catalysis"                          |

##### Fall 1980

|                               |                                       |
|-------------------------------|---------------------------------------|
| Bird                          | "Polymer Fluid Dynamics"              |
| Edgar, Schechter              | "In Situ Processing"                  |
| Hanratty                      | "Wall Turbulence"                     |
| Kenney                        | "Chemical Reactors"                   |
| Kershenbaum,<br>Perkins, Pyle | "Systems Modelling & Control"         |
| Liu                           | "Process Synthesis"                   |
| Peppas                        | "Polymerization Reaction Engineering" |
| Rosner                        | "Combustion Science & Technology"     |
| Lees                          | "Plant Engineering at Loughborough"   |
| Senkan, Vivian                | "MIT School of ChE Practice"          |

##### Fall 1979

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|--|--|
| Culberson                                | "Doctoral Level ChE Economics"                                     |
| Davis                                    | "Molecular Theory of Thermodynamics"                               |
| Frank                                    | "Courses in Polymer Science"                                       |
| Morari, Ray                              | "Integration of Real-Time Computing Into Process Control Teaching" |
| Ramkrishna                               | "Functional Analysis for ChE's"                                    |
| Russel, Saville,<br>Ollis,<br>Schowalter | "Colloidal Phenomena"  |
| Russell                                  | "Structure of the Chemical Processing Industries"                  |
| Vannice                                  | "Heterogeneous Catalysis"  |
| Varma                                    | "Mathematical Methods in ChE"                                      |
| Yen                                      | "Coal Liquefaction Processes"                                      |

##### Fall 1978

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|-------------------------|---|
| Aris                    | "Horses of Other Colors—Some Notes on Seminars in a ChE Department"   |
| Butt & Peterson         | "Chemical Reactor Engineering"  |
| Kabel                   | "Influential Papers in Chemical Reaction Engineering"                 |
| Middleman               | "A Graduate Course in Polymer Processing"                             |
| Perlmutter              | "Reactor Design From a Stability Viewpoint"                           |
| Rajagopalan             | "The Dynamics of Hydrocolloidal Systems"                              |
| Wheelock                | "Coal Science and Technology"   |
| Carbonell &<br>Whitaker | "Transport Phenomena in Multicomponent, Multiphase, Reacting Systems" |

##### Fall 1977

|                 |  |
|-----------------|--|
| Dumesic         | "Fundamental Concepts in Surface Interactions" |
| Jorne           | "Electrochemical Engineering"                  |
| Retzlloff       | "Chemical Reaction Engineering Science"        |
| Blanch, Russell | "Biochemical Engineering"                      |
| Chartoff        | "Polymer Science and Engineering"              |

##### Fall 1976

|                |                                       |
|----------------|---------------------------------------|
| Alkire         | "Electrochemical Engineering"         |
| Bailey & Ollis | "Biochemical Engr. Fundamentals"      |
| DeKee          | "Food Engineering"                    |
| Deshpande      | "Distillation Dynamics & Control"     |
| Johnson        | "Fusion Reactor Technology"           |
| Klinzing       | "Environmental Courses"               |
| Lemlich        | "Ad Bubble Separation Methods"        |
| Koutsky        | "Intro. Polymer Science & Tech."      |
| Reynolds       | "The Engineer as Entrepreneur"        |
| Rosner         | "Energy, Mass and Momentum Transport" |

##### Fall 1975

|          |                                       |
|----------|---------------------------------------|
| Astarita | "Modern Thermodynamics"               |
| Delgass  | "Heterogeneous Catalysis"             |
| Gruver   | "Dynamical Syst. & Multivar. Control" |
| Liu      | "Digital Computations for ChE's"      |
| Manning  | "Industrial Pollution Control"        |
| McCoy    | "Separation Process"                  |
| Walter   | "Enzyme Catalysis"                    |

##### Fall 1974

|                 |                                       |
|-----------------|---------------------------------------|
| Corripio        | "Digital Computer Control of Process" |
| Donaghey        | "Solid-State Materials and Devices"   |
| Edgar           | "Multivariable Control and Est."      |
| Gates, et al.   | "Chemistry of Catalytic Process"      |
| Luks            | "Advanced Thermodynamics"             |
| Melnyk & Prober | "Wastewater Engineering for ChE's"    |
| Tavlarides      | "Enzyme and Biochemical Engr."        |
| Theis           | "Synthetic & Biological Polymers"     |
| Hamrin, et. al. | "Energy Engineering"                  |