

Editor's Note

This is the 17th Graduate Education Issue published by CEE. It is distributed to chemical engineering seniors interested in and qualified for graduate school. We include articles on graduate courses, 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.

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AUTHOR TITLE

Fall 1984

Lauffenburger et al	Applied Mathematics
Marnell	Graduate Plant Design
Scamehorn	Colloid & Surface Science
Shah	Transport Phenomena
White	Heterogeneous Catalysis with Video- Based Seminars
Zygourakis	Linear Algebra
Bartholomew, Hecker	Research on Catalysis
Converse, et al	Bio-Chemical Conversion of Biomass
Fair	Separations Research
Eddie	Graduate Residency at Clemson
McConica	Semiconductor Processing
Duda	Misconceptions Concerning Grad School

Fall 1983

Davis	"Numerical Methods and Modeling"
Sawin, Reif	"Plasma Processing in Integrated Circuit Fabrication"
Shaeiwitz	"Advanced Topics in Heat and Mass Transfer"
Takoudis	"Chemical Reactor Design"
Valle-Riestra	"Project Evaluation in the Chemical Process Industries"
Woods	"Surface Phenomena"
Middleman	"Research on Cleaning up in San Diego"
Serageldin	"Research on Combustion"
Wankat, Oreovicz	"Grad Student's Guide to Academic Job Hunting"
Bird	"Book Writing and ChE Education"
Thomson, Simmons	"Grad Education Wins in Interstate Rivalry"

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Hightower	"Oxidative Dehydrogenation Over Ferrite Catalysts"
Mesler	"Nucleate Boiling"
Weiland, Taylor	"Mass Transfer"
Dullien	"Funds. of Petroleum Production"
Seapan	"Air Pollution for Engineers"
Skaates	"Catalysis"
Baird, Wilkes	"Polymer Education and Research"
Fenn	"Research is Engineering"

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"

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Bird	"Polymer Fluid Dynamics"
Edgar, Schechter	"In Situ Processing"
Hanratty	"Wall Turbulence"
Kenney	"Chemical Reactors"
Kerchenbaum, 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

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"
Russel, et al.	"Colloidal Phenomena"
Russell	"Structure of the Chemical Processing Industries"
Vannice	"Heterogeneous Catalysis"
Varma	"Mathematical Methods in ChE"
Yen	"Coal Liquefaction Processes"

Fall 1978

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