Grad Student Distinctions

Congratulations to Andrey Zarur for winning a Materials Research Society Graduate Student Award. Andrey was selected as one of thirty-five finalists for this award for his research on "Catalytic Combustion with Nanostructured Barium Hexaaluminate-Based Systems" in Prof. Jackie Ying's...
laboratory. Andrey gave a presentation on his research in early December, and was selected to be one of two Gold Medal Winners for the 1998 Materials Research Society Fall Meeting.

Department News

Class Listing Omissions

Unfortunately, four ChemE class offerings were omitted from both the printed Spring 99 bulletin handout (green and white) and the Web. These classes are indeed offered for this coming term (Spring, 1999):

10.55 Colloid and Surfactant Science
   Tuesday and Thursday 9:30-11:00 AM in room 66-154
   D. Blankschtein

10.560 Structure and Properties of Polymers
   Monday, Wednesday and Friday 11-12:00 PM in room 26-302
   R.E. Cohen

10.549 Cell and Tissue Engineering
   Monday, Wednesday and Friday 12:00-1:00 PM in room 66-168
   L. Griffith

10.981 Seminar in Colloid and Interface Science
   Correction: meeting Monday 1:00-3:00 PM in room 66-360
   D. Blankschtein

Department Events

ChemE Revelers Ring in the Holiday Season!
On Friday, December 11th, ChemE students, faculty, staff and their families were treated to the Department's annual Holiday celebration!

The fun began with skits performed by staff, 1st year, Nth year students and the faculty. Highlights included a truly indescribable rap performance by the Department Faculty ("We're the ChemE Profs, Don't You Mess With Us!"), and all manner of shocking revelations, including Bob "StrongArm" Armstrong's invincible plan for absorbing, annexing and/or commandeering neighboring labs and departments.

Grad student/slaves taking over the Earth? It could have happened, if Bob Brown's secret faculty committee succeeded in their sinister attempt to mobilize a world-dominating army of ChemE grad students, with the help of their evil mind-control conspiracy! But, evil was ultimately thwarted, as Prof. Jackie "Chan" Ying saved the day before things went too far!

Clinton's June '98 MIT visit -- an inevitable target for satire-- was the subject of "Good Will Hunting" which received mixed reviews in the Staff's follow up to last year's version of "At the Movies" complete with our own movie "thumbs", Jack Defandorf and Josh Freedman. Also reviewed was "Saving Private Covert" -- a search for one of ChemE's best-known long-time grad students, "Private" Howard Covert, who in the "film" is discovered missing, triggering a high-level military search mission.

1st year students took us to scenes from the annual "Deen Barbecue" -- where we learned of creative academic uses for the game board spinner from "Twister" and "Trivial Pursuit" game cards, as well as analytical techniques for achieving optimal hamburger/hot dog cooking results. Then, in a new episode of "Double Jeopardy", Prof's Tester, Jensen, and Deen attempt to out-fox one another, by deducing the correct questions for such answers as "When students nod their head in class on Friday afternoons, it usually means this.." and "The correct starting time for a 9:00 AM class at MIT".

As part of the Nth year skit, Prof. Dan Blankschtein (Grad Student Matt Lazzara) made a dynamic showing, wielding 3 AM surprise telephone quiz questions, Israeli Army self-defense tactics, and previously unheard musical talents! (Matt's fine musical talents were clearly apparent!)

The skit performances, as always, left no stone unturned and gave everyone a hearty helping of sagacious satire to start off the evening.

After over 60 minutes of laughter, Carribean specialties provided by caterer extraordinaire "Rhythm and Spice" (owned and operated by Robert D. Jones '86), were just what was needed -- and as always, R & S put on a masterful feast! While party-goers enjoyed the great food and Santa (Prof. Charlie Cooney) passed out gifts, the annual baking contest adjudication was held , featuring a distinguished panel of local culinary experts as well as an eye-tempting assortment of goodies,each competing for the top prize in their category. Judges Tim Finegan, Alan Hatton, Lily Koo, Mike Mohr, Josh Taylor and Steve
Wetzel had their work cut out for them this year, but they ultimately settled on the following winners for each of four categories:

Cakes: Ann Schmitz
Cookies: Sonja Sharpe
Pies: Debbie Armstrong
Squares: Brian Harms

Congratulations to the winners!

As always, families with young children were not left out of the fun, with 66-110 housing an array of fun activities such as face painting, cookie decorating, an assortment of games and of course, pizza! Kudos and warm thanks to all those who helped organize, supervise and make the party a fun place to be, for kids and parents alike.

The evening was brought to a hearth-warming close with carol singing, accompanied by our own ChemE Carol Catalyzers -- Brian Goodlin, Aaron Moment, Greg Sands, Frederic Vogel and Tom Wang.

A big thank you! to organizers David Collins, Janet Fischer, Lily Koo, Casim Sarkar, Sonja Sharpe, Dan Stafford, and all who made the event such a great success! 'Til next year...

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MIT Library News

The latest new list of chemistry and chemical engineering books from October 1st to November 15th, 1998 is at http://libraries.mit.edu/science/Subjects/Chemistry/news.html

If you have any questions, please contact Erja Kajosalo at: 253-9795 or kajosalo@mit.edu

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Pre-Doctoral Opportunities
Graduate Fellowships in Environmentally Benign Chemical Processes and Products
Prof. T.J. Mountziaris, SUNY-Buffalo, NY

Applications are invited for several prestigious graduate fellowships funded by the US Department of Education (Graduate Assistantships in Areas of National Need [GANN] Program) and supplemented by University awards. Stipends of up to $20,000 per year with full tuition support are available.

Research areas include:

● Process design for waste minimization
● Molecular simulation
● Catalysis and reaction engineering
● Advanced materials processing
● Transport phenomena
● Polymer science and engineering
● Colloids and interfacial phenomena

For information and to request application materials please contact:

Prof. T.J. Mountziaris  
Director of Graduate Studies  
Department of Chemical Engineering  
304 Furnas Hall  
State University of New York at Buffalo  
Buffalo, NY 14260  
Phone: (716) 645-2911  
Fax: (716) 645-3822  
E-Mail: tjm@eng.buffalo.edu

For more about Chemical Engineering at SUNY Buffalo, visit http://www.eng.buffalo.edu/Departments/ce/index.html

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Post-Doctoral Opportunities

Automotive Propulsion Systems & Fuels
Prof. John Heywood and Dr. Mal Weiss
Professor John Heywood (MechE) and Dr. Mal Weiss (Energy Lab) are starting a multi-year new project which will examine likely long-term developments in automotive propulsion systems and fuels. The project will take a broad systems perspective of this major component of transportation energy use, and involve technical, economic, and strategic issues. Two research assistanships are available, one with a mechanical and one with a chemical engineering emphasis, preferably at the Ph.D. level. Interested students should contact:

Professor John Heywood  
Department of Mechanical Engineering, 3-340  
Massachusetts Institute of Technology  
77 Massachusetts Avenue  
Cambridge, MA 02139  
Phone: (617) 253-2243  
E-Mail: jheywood@mit.edu

For more about research in Prof. Heywood's lab, visit [http://me.mit.edu/research/jheywood.html](http://me.mit.edu/research/jheywood.html)

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**Hydrogel Based Molecular Separation Processes**  
Dr. Ram B. Gupta, Auburn University

Postdoctoral Fellow for research in hydrogel based molecular separation processes. Qualifications include a Ph.D. in chemistry or chemical engineering with a strong experimental background in hydrogels, organic/polymer synthesis, and related analytical skills. Submit resume, one-page future research plan/interest, and names of three references to:

Dr. Ram B. Gupta  
Department of Chemical Engineering, 23C Ross Hall  
College of Engineering  
Auburn University, AL 36849-5127

Phone: (334) 844-4827  
Fax: (334) 844-2063  
E-Mail: gupta@eng.auburn.edu

Resume review will begin on October 28, 1998 and continue until a candidate is selected and recommended for appointment.

For more about Chemical Engineering at Auburn University, visit [http://www.eng.auburn.edu/department/che/](http://www.eng.auburn.edu/department/che/)

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Industrial Opportunities

BlazeTech
Cambridge, MA

BlazeTech has immediate full-time positions in the following areas:

- Aerospace/Mechanical/Chemical Engineers: B.S., M.S., Ph.D. to work on a range of problems in thermofluids and combustion. Requirements: Strong analytical skills and fluency in FORTRAN. Background in experimentation and a few years experience are a plus.
- Computer Programmer: Individual must have experience in scientific programming for PC machines with fluency in FORTRAN. Knowledge of Visual Basic and Java a plus. B.S. in engineering, physics, or chemistry is desirable.

All applicants must have the following additional qualifications:

- Self-motivated, team-oriented, and willing to participate in range of projects.
- US Permanent residency (US citizenship preferred)

General: Founded in 1987, BlazeTech provides R&D and computational services to the energy, environmental and safety industries. Our services include design, testing, analysis, and engineering and numerical modeling in the areas of thermodynamics, fluid/solid mechanics, and combustion. Our forte is bridging the gap between theory and practice to bring innovative and cost-effective solutions to practical engineering problems. In the process, we have developed several technologies and computer software that are in various stages of commercialization. Our plan is to bring these technologies to the marketplace by either licensing or partnering with large corporations, or launching of new companies. Current projects include:

- Aircraft fire and explosion analyses and software
- Development of an explosion suppression device
- Software for air dispersion modeling of reactive chemicals
- Development of low NO\textsubscript{x} and catalytic burners
- Structural response to explosive loading and ballistic impacts
- Fluid/structure interactions

Application Procedures: Please send resume to:
Edison Research Laboratories
Mobil Chemical Company
Edison, New Jersey

**Polymer Rheology:** We have an immediate opening for a candidate with a Ph.D in Chemical Engineering with a strong background in polymer rheology. Position involves support of rheological testing facilities which include Rheometrics RMS 800, Rheometrics Automated Mechanical Analyzer (RAMA), and Goettfert Capillary Rheometers and Rheotens Melt Tensiometer. Selected candidate will also apply his/her rheological expertise to develop structure/property/processing relationship for polyethylene resins. The candidate will participate in cross-functional teams working on catalyst and product development, customer technical service and plant support.

Background in polymer processing operations is also desirable. Please have interested students (both past and present) send their resumes to my attention at the following address or by E-Mail:

Pradeep P. Shirodkar
Mobil Chemical Company
Edison Research Laboratories
PO Box 3029
Edison, NJ 08818-3029
Phone: (732) 321-6302

For more about Mobil Chemical, visit [http://www.mobil.com/business/chemical/index.html](http://www.mobil.com/business/chemical/index.html)

Advanced Inhalation Research
Cambridge, MA

Advanced Inhalation Research is a rapidly growing biotech company located in Cambridge, MA and is seeking energetic individuals with strong interpersonal and oral/written communication skills for the following positions:
**Research Associate**
Research Associate for our life Sciences Group. The candidate should have a B.S./M.S. degree in Animal Sciences, Biology or Physiology. Experience in a research laboratory is preferred. Responsibilities include performing respiratory drag delivery experiments on rodents, monitoring cardio-pulmonary "a requiring blood tests, and conducting toxicity bio assays.

**Pharmacokineticist**
A Pharmacokineticist to join our Life Sciences Group. Responsibilities will include the design implementation and analysis of pre-clinical pharmacokinetic studies and support of ongoing clinical efforts. A familiarity with pulmonary pharmacology and physiology is highly desirable. The position requires a minimum of a PhD in pharmacokinetic drag metabolism, or a related discipline with 2-5 years experience, preferably within the pharmaceutical industry.

**Powder Technology**
A scientist to join an expanding group focused on the research and development of powder delivery systems for inhalation. A B.S. in an applied or physical science with 0-2 years experience, preferably in the pharmaceutical industry is required. Responsibilities will include the generation and study of the physical properties of powder systems using a variety of characterization techniques A strong mathematical background is desirable.

**Director, Life Sciences**
An experienced individual to head up mid expand our Life Sciences sector. Responsibilities will include the development And management r 3 -11 en of internal and external programs scientists and support staff. compilation of preclinical data for IND submission and general study reports. Familiarity with both small molecule and protein/peptide preclinical development is desired. A PhD/DVM with at least 8 yrs experience and a thorough knowledge of pulmonary physiology, pharmacology, general pharmacokinetics and bioassay development is required.

**Information Systems Specialist**
An energetic individual to manage our computer systems and expanding network. Responsibilities will include managing user accounts on a Windows NT Server; software support; database creation and implementation and hardware support and maintenance The position requires a B.S. in Computer Science, engineering or a related field with 0-2 years experience. Detailed knowledge of Windows and related operating systems, widely-employed software and hardware is essential.

Interested candidates should send resume to:

Advanced Inhalation Research HR Department
840 Memorial Drive
Cambridge, MA 02139
Phone: (617) 354-6400
Government Opportunities

Scientist/Engineer
Office of Inspector General
National Science Foundation
Arlington, VA

Qualifications: Graduate degree in science or engineering. Applicants need not have experience as an investigator, but should be highly motivated to uncover and deter wrongdoing, and to promote ethical conduct and efficiency. Experience in criminal justice, business administration, or finance could be helpful but is not required. Applicants would be principally involved in investigations of misconduct in science, which includes plagiarism and the falsification or fabrication of research data.

Overview: The National Science Foundation (NSF) Office of Inspector General (OIG) investigates all allegations of wrongdoing under NSF awards including allegations of misconduct in science and criminal and civil fraud. The NSF OIG also oversees the expenditure of NSF funds, both within NSF and under NSF awards to outside entities.

Salary: Commensurate with training and experience.

Application Procedures: Please send a resume to:

Peggy Fischer, Ph.D.
Senior Advisor to the Inspector General
Office of Inspector General
National Science Foundation
4201 Wilson Boulevard, Suite 1135
Arlington, VA 22230
Phone: (703) 306-2001
Fax: (703) 306-0649
E-Mail: pfischer@nsf.gov

For a copy of the NSF OIG's most recent semiannual report to the Congress, visit http://www.nsf.gov/oig/
Academic Opportunities

Tenure-Track Faculty (2)
University of Iowa, Iowa City, IA
Department of Chemical and Biochemical Engineering

Position #1: Open rank with a preference for a senior-level person of national distinction.
Position #2: Open rank. The final rank and salary will be commensurate with experience and qualifications.

Qualifications (both positions): Ph.D. in ChemE or a related area. Excellence in research and teaching essential.

Preferred Research Focus: Applicants with research interests that complement our existing strengths in biotechnology (medical, environmental & industrial), kinetics & reaction engineering, membrane science, polymeric materials, and air quality engineering are desired.

Starting Date: August 1999.

Application Procedure: Send nominations or applications (with resume, research and teaching plans, and a list of references) to:

David G. Rethwisch
Department of Chemical and Biochemical Engineering
University of Iowa
125 CB
Iowa City, IA 52242
Phone: (319) 335-1400
Fax: (319) 335-1415
E-Mail: david-rethwisch@uiowa.edu

Initial screening of applicants will begin in October 1998. Recruiting will continue until the line is filled.

For more information about Chemical and Bio Engineering at the University of Iowa, visit http://www.engineering.uiowa.edu/~chemeng

Assistant/Associate Professors (4)
Ohio State University,  
Chemical Engineering Department

Qualifications: Ph.D. in ChemE or allied field. Demonstrated outstanding research record with strong commitment to teaching excellence.

Preferred Research Focus: All research areas will be considered, with special systems engineering, environmental engineering, polymer science and engineering, particle technology, catalysis and reaction engineering, and biomaterials.

Application Deadline: Review of applications will begin November 15th, 1998 and will continue until the positions are filled.

Application Procedure: Applicants should submit a detailed curriculum vita, names and addresses of three references, and a statement of teaching and research interest to:

Professor Martin Feinberg  
Chair of the Faculty Search Committee  
Department of Chemical Engineering  
The Ohio State University  
140 West 190 Avenue  
Columbus, OH 43210-1180  
Phone: (614) 688-4883  
Fax: (614) 292-3769  
E-Mail: Feinberg.14@osu.edu

For more about ChemE at Ohio State University, visit http://www.er6.eng.ohio-state.edu/che/

Assitant Professors (2)  
Rowan University, Glassboro, NJ

Qualifications: Doctorate in chemical engineering is required. Ph.D. candidates near completion will be considered. Interest in inter/multidisciplinary courses and laboratories and in the integration of engineering science and design into lower level courses is desired. Strong written and oral communication skills are required. Preference will be given to applicants with teaching and laboratory development experience. The successful candidate is expected to build on the relationships developed with local industries.

Preferred Research Focus: A specialization in process dynamics, control, simulation and design or transport phenomena is required. Successful applicants should also have applied their specialization to an emerging area of chemical engineering such as: advanced materials, environmental systems, advanced separations, bio/pharmaceutical processing, or specialty chemicals manufacturing.
Starting Date: September 1, 1999.

Application Procedures: Interested candidates are invited to send a letter of application, a curriculum vita, and a list of three references to the address below.

Application Deadline: Review of applicants will begin on November 15, 1998 and continue until the positions are filled.

Please send requested application material to:

Chemical Engineering Faculty Search Committee
Rowan University
312 Henry M. Rowan Hall
Glassboro, NJ 08028-1701
Phone: (609) 256-5310
Fax: (609) 256-5242
E-Mail: slater@rowan.edu

For more about ChemE at Rowan University, visit http://sun00.rowan.edu/programs/chemical/chemical.html

Assistant Professors (2+)
Department of Chemical Engineering
Clemson University, Clemson, SC

Qualifications: Applicants for the new positions must have a Ph.D., at least one degree in chemical engineering, and a genuine interest in teaching as well as research.

Preferred Research Focus: Rheological modeling, material structure-property relationships, chemical process modeling, applied process control, and other traditional chemical engineering topics. Applications are particularly sought from individuals who can contribute immediately to work in our new NSF Engineering Research Center for Advanced Fibers and Films.

Application Procedures: Applicants should submit a resume, a statement of teaching and research interests, and names and addresses of three references to:

Application Deadline: Review of applications will begin in October and continue until the positions are filled.

Search Committee
Assistant/Associate Professor
Department of Chemical Engineering
Ohio University, Athens, OH

Qualifications: Ph.D. in chemical engineering or closely allied field. Commitment to excellence in undergraduate and graduate education. The successful candidate will be expected to develop a strong externally-funded research program.

Preferred Research Focus: Areas that complement the following: Corrosion and multiphase technology, biochemical engineering environmental science and engineering, semiconductor materials, and coal technology.

Application Procedures: Please send a letter of application, resume, statement of teaching and research interests and the names, addresses and telephone numbers of three references to:

Prof. Daniel A. Gulino
Search Committee Chair
Department of Chemical Engineering
Ohio University
Athens, OH 45701-2979
Phone: (740) 593-1495
Fax: (740) 593-0873
E-Mail: gulino@bobcat.ent.ohiou.edu

Application Deadline: Applications should be received by January 31, 1999 to be guaranteed full consideration.

For more about ChemE at Ohio University, visit http://webche.ent.ohiou.edu/
Department of Chemical Engineering
University of Notre Dame, Notre Dame, IN

Qualifications: A Ph.D. or equivalent degree is required and applicants should possess a strong commitment to teaching and have developed or demonstrate potential for development of an outstanding research program. The chemical engineering faculty at Notre Dame collaborates extensively both inside and outside the department and thus applicants should expect to benefit from, and contribute to these activities.

Preferred Research Focus: Bioengineering or advanced materials are fields of particular interest, but outstanding candidates in other areas will be given full consideration.

Application Procedure: Applicants should send their curriculum vitae, statement of teaching and research interests and the names and complete addresses of at least four references to:

Professor Mark J. McCready
Department of Chemical Engineering
182 Fitzpatrick Hall
University of Notre Dame
Notre Dame, IN 46556-5637
Phone: (219) 631-7146
Fax: (219) 631-8366
E-Mail: mjm@nd.edu

For more about ChermE at Notre Dame, visit http://www.nd.edu/~chegdept/

Assistant Professor
Department of Chemical Engineering
Vanderbilt University, Nashville, TN

Qualifications: A Ph.D. with a distinguished academic record is required. Responsibilities include teaching undergraduate and graduate courses and establishing an externally funded, scholarly research program.

Preferred Research Focus: The research area is open but the Department is especially interested in candidates who can contribute fundamentally and broadly to focus areas on materials, the environment, and biochemical engineering.

Starting Date: Fall 1999

Application Procedures: Interested persons should send their curriculum vitae, a statement of research interests, and names and addresses of three or more references to:
M. Douglas LeVan, Chair
Department of Chemical Engineering
Vanderbilt University
Box 1604
Station B
Nashville, TN 37235
Phone: (615) 322-2441
Fax: (615) 343-7951
E-Mail: mdl@vuse.vanderbilt.edu

For more about ChemE at Vanderbilt, visit http://www.vuse.vanderbilt.edu/~cheinfo/che.htm

Assistant/Associate Professor
Department of Chemical Engineering
North Carolina State University, Raleigh, NC

Qualifications: Ph.D. in Chemical Engineering or a related area. The applicant is expected to establish a strong program that will attract extramural funding as well as have a commitment to excellence in teaching at the undergraduate and graduate levels.

Preferred Research Focus: We are looking for the best candidate and all research areas of specialization will be considered.

Application Procedures: Applicants should provide a curriculum vitae, a short description of proposed research and the names of at least three references. This information should be sent to:

Professor Robert M. Kelly
Search Committee Chair
Department of Chemical Engineering
North Carolina State University
Box 7905
Raleigh, NC 27695-7905
TEL: (919) 515-6396
FAX: (919) 515-3465
E-Mail: rmkelly@eos.ncsu.edu

For more about ChemE at North Carolina State, visit http://www.che.ncsu.edu/

Assistant Professor
Isermann Department of Chemical Engineering
Rensselaer Polytechnic Institute, Troy, NY

Qualifications: Qualified candidates should have a background in Chemical Engineering and a strong commitment to excellence in undergraduate/graduate education. The successful candidate is expected to develop a world-class research program.

Preferred Research Focus: Chemical Engineering is an endowed department at Rensselaer with strong research programs in the areas of biochemical engineering, materials processing, interfacial phenomena, nanoparticle and porous systems, combustion, heat transfer, microelectronics processing and process control.

Application Procedures: Qualified individuals should send a copy of their CV, a statement of research and teaching, interests, and the names of three references to:

B. Wayne Bequette
Chair-Faculty Search Committee
Isermann Department of Chemical Engineering
Rensselaer Polytechnic Institute
Troy, NY 12180-3590
Phone: (518) 274-6377
Fax: (518) 274-4030
E-Mail: bequette@rpi.edu

Application Deadline: The applicant review process will begin on November 1, 1998 and will continue until the position is filled.

For more about ChemE at Rensselaer Polytech, visit http://www.rpi.edu

Tenure-Track Faculty (2+)
Department of Chemical and Environmental Engineering
Illinois Institute of Technology, Chicago, IL

Qualifications: Candidates must possess a Ph.D. in chemical engineering, environmental engineering, or related areas. One position is in process design and systems engineering, requiring experience with process design software, and a commitment to project-based learning and teamwork. Applicants must demonstrate the ability to lead and attract funds for a high-caliber research program.

Candidates sought for the other positions should have a background in one of the areas currently at the forefront of chemical and environmental engineering research.

Preferred Research Focus: Examples of preferred areas include, but are not limited to, biotechnology, biomedical engineering, nano particles, microelectronics, microreaction technology, and molecular
dynamics.

Application Procedures: To apply, please send a resume, statement of research and teaching interests and plans, copies of pertinent publications, and the names of three references to:

Chairman Faculty Search Committee
Department of Chemical and Environmental Engineering
Armour College of Engineering and Science
Perlstein Hall
Illinois Institute of Technology
10 W. 33rd Street
Chicago, IL 60616
Phone: (312) 567-8947
Fax: (312) 567 8874
E-Mail:

For more about ChemE and Environmental Eng at IIT, visit http://www.chee.iit.edu/

Faculty (1+)
Chemical Engineering Department
SUNY-Buffalo, Buffalo, NY

Qualifications: A Ph.D. in Chemical Engineering or a closely-related field is required with research expertise in one of the fundamental areas of kinetics, thermodynamics, transport phenomena or chemical processing that complements or extends existing departmental strengths. Excellence in teaching and a commitment to Departmental service are expected of successful applicants.

Preferred Research Focus: Desirable areas of research application include (but not exclusively) environmental engineering (including pollution prevention and chemical recovery/recycle), advanced materials, process design and optimization, control, separations, biomedical and biochemical engineering.

For information, contact Prof. T.J. Mountziaris (E-Mail: tjm@eng.buffalo.edu) who is heading the Search Committee, or the Department Chairperson, Dr. Carl Lund (E-Mail: lund@eng.buffalo.edu).

Application Procedures: Application materials should include a CV, a research and teaching statement, and the names and addresses of at least three references. These materials should be sent to:

Professor T.J. Mountziaris
Chemical Engineering Department
905 Furnas Hall
Tenure-Track Faculty
Departments of Chemical Engineering and Materials Science
Wayne State University

Qualifications: Candidates for this position are expected to develop a well-funded and nationally-recognized research program, and to demonstrate commitment to teaching at the undergraduate and graduate levels. Substantial start-up funds will be available.

Preferred Research Focus: We are particularly interested in candidates with research interests in biomaterials and tissue engineering.

Application Procedure: Applicants should submit a resume, a statement of research plans, and names of three references to:

Professor Esin Gulari, Chair
Chemical Engineering and Materials Science Department
Wayne State University
Detroit, MI 48202
Phone: (313) 577-376
Fax: (313) 577-3810
E-Mail: Egulari@chem1.eng.wayne.edu

Application Deadline: December 15, 1998

For more about ChemE at Wayne State, visit http://www.eng.wayne.edu/chem/
For more about MSE at Wayne State, visit http://www.eng.wayne.edu/mse/

Assistant Professor
Department of Chemical Engineering
Bucknell University, Lewisburg, PA

Qualifications: Doctorate in Chemical Engineering, high potential for excellence in teaching are
required. Undergraduate degree from an ABET-accredited (or equivalent) program preferred, industrial experience desirable. The successful candidate will have the ability to teach courses across the chemical engineering curriculum including a collaborative role in process control. Opportunities exist to teach and direct research at the masters' level.

Preferred Research Focus: Expertise in particle technology or other emerging areas, is desirable.

Application Procedures: Send CV, a statement of teaching interests, a research plan, and names of three references to:

Dr. William J. Snyder, Chair
Faculty Search Committee
Department of Chemical Engineering
Bucknell University
Lewisburg, PA 17837
Phone: (717) 524-1293
Fax: (717) 524-1822
E-Mail: bsnyder@bucknell.edu

Application Deadline: Applications will be reviewed beginning on November 2 and will continue to be accepted until the position is filled.

For more about ChemE at Bucknell University, visit http://www.eg.bucknell.edu/cheg/

Assistant Professor
Department of Chemical Engineering
Villanova University, Villanova, PA

Qualifications: Candidates must have both an undergraduate chemical engineering degree and an earned Ph.D. in Chemical Engineering by August 1999, must demonstrate sound communication skills, and have a strong commitment to undergraduate and graduate teaching. The successful candidate is expected to develop an active research program that will ensure scholarly growth and development. The Search Committee will evaluate relevant experience, communications skills, and scholarly activity as the primary evaluation criteria.

Preferred Teaching Focus: Applied aspects of fluid flow, heat transfer, mass transfer operations.

Preferred Research Focus: Although all areas of research will be evaluated for appropriateness within the context of University resources, preference will be given to those candidates who demonstrate a background and ongoing interest in Biotechnology Pharmaceutical Research.

Application Procedures: Send CV, detailed statements of teaching and research interests, and names of
three references to:

Dr. Vito Punzi, Chair
Faculty Search Committee
Department of Chemical Engineering
Villanova University
800 Lancaster Avenue
Villanova, PA 19085
Phone: (610) 519-4946
Fax: (610) 519-7354
E-Mail: vpunzi@email.vill.edu

Application Deadline: Postmarked by January 31, 1999

For more about ChemE at Villanova University, visit [http://www.villanova.edu/~engine/che/chehome.htm](http://www.villanova.edu/~engine/che/chehome.htm)

Assistant Professor
Department of Chemical Engineering
Kansas State University, Manhattan, KS

Qualifications: An earned doctorate in ChemE or a closely-related field is required; U.S. citizens and permanent residents will receive preference.

Preferred Research Focus: Preferred areas include separations, reaction engineering, transport phenomena, and process control. Resources are available to aid the candidate in developing an internationally recognized, externally funded research program.

Application Procedures: Applicants should send their resume, a list of four professional references, and a statement of teaching and research objectives to:

Dr. Larry A. Glasgow, Chair
Faculty Search Committee
Department of Chemical Engineering
Kansas State University
105 Durland Hall
Manhattan, KS 66506-5102
Phone: (785) 532-4314
Fax: (785) 532-7372
E-Mail: glasgow@cheme.ksu.edu
Assistant Professor
Department of Chemical Engineering
University of Minnesota, Duluth, MN

Qualifications: Candidates must have an undergraduate degree in chemical engineering, or comparable preparation and an earned doctorate in chemical engineering or closely-related field. The successful candidate is expected to teach core chemical engineering undergraduate courses, advise students, promote outreach and develop a research program. Demonstrated evidence of effective teaching and communication skills appropriate to a faculty member is required with teaching and industrial experience desired.

Preferred Teaching Focus: Areas of teaching emphasis include process control, design of experiments, fluids, heat transfer, mass transfer, materials science and thermodynamics.

Application Procedures: Please submit a letter describing teaching interests and research program plans, a detailed resume, graduate transcript and the names and addresses of three references to:

Dr. Dianne Dorland
Chemical Engineering Search Committee
Department of Chemical Engineering
University of Minnesota/Duluth
10 University Drive
Duluth, MN 55812-2496
Phone: (218) 726-7126
Fax: (218) 726-6907
E-Mail: ddorland@d.umn.edu

Application Deadline: Review of applications will begin on December 1, 1998 and will continue until the position is filled.

For more about ChemE at University of Minnesota/Duluth, visit http://www.d.umn.edu/che
Prof. Jackie Ying for their contributions to this edition of the *Course X News*!

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Submissions for the *Course X News* should be sent to:
Gregory Sands
Assistant for Publications, Payroll & Fellowships
MIT Administrative Services, 8-328
77 Massachusetts Ave.
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