



Better jobs.
Better candidates.
Better engineering.

"The premier print and online resource for ChE Jobs"

<http://develop.aiche.org/careerengineer/>

POSITIONS AVAILABLE

ENGINEER/SCIENTIST

Technology-based startup company in the field of specialized filtration, adsorption and catalysis seeks self-directed problem solver to fill engineer/scientist position. Responsibilities include: product design, product testing and production QC/QA implementation. Advanced technical or engineering degree preferred. Excellent oral, written and interpersonal skills required. Please e-mail your resume to info@intramicron.com or fax to 205-443-4676.

BIOCHEMICAL/FERMENTATION DEVELOPMENT ENGINEER

Job Code B15. B.ChE. to Ph.D. in Chemical/Biochemical Engineering with 5-20 years experience in continuous flow fermentation, immobilized bacteria, hollow tube bioreactors, product purification and packed bed bioreactors. Accomplish techno-economic strategy with skills to perform process start-up and troubleshooting of unit operations for fermentation chemicals production. Please send resumes to eljobs@att.net to be considered for the position.

INTERDISCIPLINARY: CHEMICAL ENGINEER/RESEARCH FOOD TECHNOLOGIST/RESEARCH CHEMIST

The Eastern Regional Research Center (ERRC), Agricultural Research Service, USDA, has an opening for a permanent full-time Chemical Engineer/Research Food Technologist/Research Chemist. This individual will serve as an independent scientist in the Dairy Processing and Products Research Unit which is located on an attractive 27-acre campus just outside Philadelphia, in Wyndmoor, Montgomery County, Pennsylvania. Employees enjoy a flexible work schedule and have access to public transportation, computer center, and library. Works with a team of researchers on a project aimed at modifying the functionality of milk proteins using processes that preserve nutritionally important minor components of dairy proteins and improves their textural, rheological and viscoelastic properties. The scientist will be responsible for conducting research to (1) identify extrusion parameters and their effects on structure and function relative to the texturization of milk proteins; (2) determine the relationship between all process parameters and the quality and functionality of these texturized proteins; (3) study the effects of particle size modification of milk proteins; and (4) develop methods to alter the network structures of whey proteins alone or in combination with other dairy proteins, etc. Candidates must be U.S. Citizens, and have knowledge of (1) chemical or polymer engineering; (2) food or polymer rheology and/or dairy technology; (3) food or extrusion processing; and (4) the ability to plan, conduct, and report research. A Ph.D. is desirable. Salary commensurate with experience, GS-11: \$48,748.00 to \$63,377.00; GS-12: \$58,426.00 to \$75,954.00; GS-13: \$69,477.00 to \$90,323.00 per year. For information on the position call Dr. Charles Onwulata 215-233-6497 or E-mail at conwulata@arserrc.gov. For application package call Mary Ann Byrne at 215-233-6571. Incomplete applications will not be accepted. Applications must be marked ARS-X3E-3192 and postmarked by Monday, June 16, 2003. USDA/ARS is an equal opportunity employer.

PROCESS ENGINEER / PLC EXPERT. FONTANA-CA-US

Your timing is excellent...our sustained 25% annual growth is creating

exceptional growth opportunities for you. James Hardie Building Products is the world's leading manufacturer and distributor of fiber cement building products. We operate state-of-the-art, 24/7, non-union manufacturing facilities in 8 locations throughout the U.S., in addition to locations around the globe. As a Junior, Intermediate or Senior member of our Engineering team in Fontana, CA, your focus will be handling all electrical installations and modifications of the electrical equipment components in the plant, and managing all electrical related systems including process development and preventative maintenance. At James Hardie, you will find yourself surrounded by people who have a passion for building equity in the organization through hard work and technical contributions. Our compensation and benefits are industry-leading, and our bonus program has a superior payout history. **IMPORTANT: HOW TO APPLY:**

We want you to be as selective as we are! For a detailed 'insider's view' of this position and to submit your resume online, please visit the following URL: <http://www.jameshardie.jobinfo.com/app/description.lasso?jid=7533108&refid=s17457>. If the link does not work, simply copy the complete URL and paste it into your browser's address line.

FOR PRIORITY CONSIDERATION, PLEASE DO NOT USE ANY OTHER METHOD TO APPLY OR CLICK ANY OTHER BUTTONS. Thank you for your attention to this detail.

Computational Chemistry

Extraordinarily gifted computational chemists at all levels of experience sought to join a select research group within a rapidly growing New York-based technology firm whose ventures are known for scientific leadership in the development of computational chemistry software for the pharmaceutical and biotechnology industries. We are looking for individuals with an exceptionally distinguished history of academic and/or industrial accomplishment to join our efforts to fundamentally transform the process of drug discovery.

Candidates should have world-class credentials in computational chemistry, biology, or physics, or in a relevant area of computer science or applied mathematics, and must have unusually strong research and software engineering skills. Relevant areas of experience might include the computation of protein-ligand binding free energies, molecular dynamics and/or Monte Carlo simulations of biomolecular systems, application of statistical mechanics to biomolecular systems, free energy perturbation methods, and methods for speeding up evaluation of electrostatic energies—but specific knowledge of any of these areas is less critical than exceptional intellectual ability and a demonstrated track record of achievement. Current areas of activity for the firm include structure- and ligand-based drug design, protein structure determination through homology modeling, molecular mechanics force field development, *de novo* drug design algorithms, and the development of special-purpose hardware to accelerate computation.

We are eager to add both senior- and junior-level members to our world-class team (including at least one group head with management responsibilities), and are prepared to offer above-market compensation to candidates of truly exceptional ability. Please send your resume (including list of publications, thesis topic, and advisor, if applicable), along with a history of academic performance (including GPAs as well as SAT, GRE, and other standardized test scores), to compchem@deshaw.com.

The D. E. Shaw group is an equal-opportunity employer.

SCHRÖDINGER

DE Shaw & Co

THE HEMISPHERIC CENTER FOR ENVIRONMENTAL TECHNOLOGY

[www.hcet.fiu.edu] is an applied research and technology development organization at Florida International University in Miami, Florida. HCET focuses on environmental, energy, and IT technologies and has non-tenure openings for experienced researchers and research managers in Biomass Processing, Bioremediation, Chemical and Biochemical Processes, Combustion, Fluid Dynamics, Fluidization, Fuel Cells, Fuel Reforming, Hydrogen Research, Micro- and Nano-scale Research, and Surface Water Research. A Ph.D. in Chemical Engineering, Chemistry or a related field and at least 5 years of work experience are required. Email resume and cover letter to Dr. George Philippidis at georgep@hcet.fiu.edu or fax to (305) 348-1852. FIU is an EOE.

ENGINEERING SALES & MARKETING LIAISON. MISSION VIEJO-CA-US

Your timing is excellent...our sustained 25% annual growth is creating exceptional growth opportunities for you.

James Hardie Building Products is the world's leading manufacturer and distributor of fiber cement building products. We operate state-of-the-art, 24/7, non-union manufacturing facilities in 8 locations throughout the U.S., in addition to locations around the globe.

As an Engineering Sales & Marketing Liaison, you will interface with our sales, marketing, R&D, engineering and production teams, as well as customers, lending your engineering expertise to their efforts to develop new products and new business.

At James Hardie, you will find yourself surrounded by people who have a passion for building equity in the organization through hard work and technical contributions. Our compensation and benefits are industry-leading, and our bonus program has a superior payout history.

IMPORTANT: HOW TO APPLY:

We want you to be as selective as we are! For a detailed 'insider's view' of this position and to submit your resume online, please visit the following URL: <http://www.jameshardie.jobinfo.com/app/description.lasso?jid=7533109&refid=s17457>

If the link does not work, simply copy the complete URL and paste it into your browser's address line.

FOR PRIORITY CONSIDERATION, PLEASE DO NOT USE ANY OTHER METHOD TO APPLY OR CLICK ANY OTHER BUTTONS. Thank you for your attention to this detail.

DEVELOPMENT SCIENTIST / R&D ENGINEER - MFG. FONTANA-CA-US

Your timing is excellent...our sustained 25% annual growth is creating exceptional growth opportunities for you.

James Hardie Building Products is the world's leading manufacturer and distributor of fiber cement building products. We operate state-of-the-art, 24/7, non-union manufacturing facilities in 8 locations throughout the U.S., in addition to locations around the globe.

As a Junior, Intermediate or Senior level member or leader of an R&D team at our Fontana, CA facility, you will take responsibility for development projects, focusing on materials testing, prototyping, plant trials and results interpretation. At James Hardie, you will find yourself surrounded by people who have a passion for building equity in the organization through hard work and technical contributions. Our compensation and benefits are industry-leading, and our bonus program has a superior payout history.

How To Apply

To pursue this opportunity online and get a true, detailed "insider's view," please follow the following link: <http://www.jameshardie.jobinfo.com/app/description.lasso?jid=7533102&refid=s17457>

To ensure that your resume receives immediate attention, please do not use any other method to apply.

PRODUCTION ENGINEERS - MFG PROCESS IMPROVEMENT. FONTANA-CA-US

Your timing is excellent...our sustained 25% annual growth is creating exceptional growth opportunities for you.

James Hardie Building Products is the world's leading manufacturer and distributor of fiber cement building products. We operate state-of-the-art, 24/7, non-union manufacturing facilities in 8 locations throughout the U.S., in addition to locations around the globe.

As a member or leader of a Production Engineering team, your focus will be to drive process improvements and ensure optimized quality and efficiency. Junior, Intermediate and Senior level opportunities exist at our facilities in: Blandon, PA (Near Reading, Pennsylvania) Cleburne, TX (Near Dallas, Texas) Fontana, CA (East of Los Angeles, California) Peru, IL (Near LaSalle, Illinois)

Plant City, FL (Near Tampa, Florida) Summerville, SC (Near Charleston, South Carolina) Tacoma, WA Waxahachie, TX (Near Dallas, Texas) At James Hardie, you will find yourself surrounded by people who have a passion for building equity in the organization through hard work and technical contributions. Our compensation and benefits are industry-leading, and our bonus program has a superior payout history.

How To Apply

To pursue this opportunity online and get a true, detailed "insider's view," please follow the following link:

<http://www.jameshardie.jobinfo.com/app/description.lasso?jid=7533103&refid=s17457>

To ensure that your resume receives immediate attention, please do not use any other method to apply.

PRODUCTION MANAGER WITH ENGINEERING MINDSET FONTANA-CA-US

Your timing is excellent...our sustained 25% annual growth is creating exceptional growth opportunities for you.

James Hardie Building Products is the world's leading manufacturer and distributor of fiber cement building products. We operate state-of-the-art, 24/7, non-union manufacturing facilities in 8 locations throughout the U.S., in addition to locations around the globe.

New Production Manager opportunities are now available at our facilities in: Blandon, PA (Near Reading, Pennsylvania)

Cleburne, TX (Near Dallas, Texas) Fontana, CA (East of Los Angeles, California) Peru, IL (Near LaSalle, Illinois)

Plant City, FL (Near Tampa, Florida) Summerville, SC (Near Charleston, South Carolina) Tacoma, WA Waxahachie, TX (Near Dallas, Texas)

Reporting to the Plant Manager, you will manage, mentor and coach your production crew, with the objectives of meeting production goals, implementing process improvements, driving quality improvement, and developing and managing capital projects.

At James Hardie, you will find yourself surrounded by people who have a passion for building equity in the organization through hard work and technical contributions. Our compensation and benefits are industry-leading, and our bonus program has a superior payout history.

How To Apply

To pursue this opportunity online and get a true, detailed "insider's view," please follow the following link:

<http://www.jameshardie.jobinfo.com/app/description.lasso?jid=7533101&refid=s17457>

To ensure that your resume receives immediate attention, please do not use any other method to apply.

PROJECT ENGINEERS - NEW LARGE CAPITAL PROJECTS FONTANA-CA-US

Your timing is excellent...our sustained 25% annual growth is creating exceptional growth opportunities for you.

James Hardie Building Products is the world's leading manufacturer and

distributor of fiber cement building products. We operate state-of-the-art, 24/7, non-union manufacturing facilities in 8 locations throughout the U.S., in addition to locations around the globe.

As a Junior, Intermediate or Senior member of our Project Engineering team in Fontana, CA, your focus will be to work with vendors and engineers at our other facilities on new, large capital projects. Up to 40% travel is involved.

At James Hardie, you will find yourself surrounded by people who have a passion for building equity in the organization through hard work and technical contributions. Our compensation and benefits are industry-leading, and our bonus program has a superior payout history.

Experience Required:

To pursue this opportunity online and get a true, detailed "insider's view," please follow the following link: <http://www.jameshardie.jobinfo.com/app/description.lasso?jid=7533104&refid=s17457>

To ensure that your resume receives immediate attention, please do not use any other method to apply.

ALTUS BIOLOGICS, THE SENIOR PROCESS DEVELOPMENT ENGINEER

Altus Biologics is focused on using its proprietary and innovative protein crystallization technology, known as Crystalomics(tm) , to transform proteins into highly concentrated, stable, and pure crystalline products. These characteristics offer significant advantages in the overall safety, storage, and route of administration of protein therapeutics as well as in the manufacture of small molecule drugs.

The Senior Process Development Engineer is a great opportunity for a biochemical engineer to provide technical support for the design, construction and start-up of a biopharmaceutical manufacturing facility in Nagoya, Japan.

Responsibilities:

- * Support detailed design activities with a focus on downstream processing of protein products
- * Travel to Europe and Asia as required for detailed engineering design reviews and start-up activities
- * Interface with process equipment suppliers and contractors
- * Provide technical support of fermentation, purification, crystallization and lyophilization processes
- * Lead the technical transfer effort for protein drug production between Altus and our contract manufacturers
- * Take a lead role in manufacturing documentation and production training activities
- * Provide technical support for validation activities
- * Travel will be 30%.

Qualifications:

- * A BS, MS or PhD degree in chemical engineering
- * 5+ years experience in biopharmaceutical manufacturing industry
- * Strong background in GMP production of biopharmaceutical drug products
- * Strong project management skills
- * Strong written and oral communication skills

Salary will be commensurate with experience and stock options in this privately owned company are a part of the package. If interested, please send resume to:

Human Resources JB/ace
Altus Biologics, Inc.
625 Putnam Avenue
Cambridge, MA 02139-4807
Email to: jobs@altus.com
Fax to: 617-299-2950

ALTUS BIOLOGICS, SR. FORMULATION/FORMULATION SCIENTIST

Altus Biologics is focused on using its proprietary and innovative protein crystallization technology, known as Crystalomics(tm) , to transform proteins into highly concentrated, stable, and pure crystalline products. These characteristics offer significant advantages in the overall safety,

storage, and route of administration of protein therapeutics as well as in the manufacture of small molecule drugs.

Sr. Formulation/Formulation Scientist

- * Will design and execute pre-formulation experiments for Protein delivery
- * Use the pre-formulation information to arrive at a protein formulation (solid/liquid) that is optimized for stability and bioactivity
- * Proficiency in developing analytical methods as applicable to pre-formulation and formulation experiments
- * Monitor protein stability in pre-clinical formulations
- * Communicate the results across various departments within the company and present the experimental data and results at department/project meetings
- * Maintain accurate records and prepare technical reports for regulatory filings
- * Hands-on knowledge of design of experiments applicable to formulation of proteins would be a plus.

Qualifications:

- * PhD in Pharmacy or Protein Chemistry
- * 2+ years in pre-formulation of proteins (solid/liquid), formulation of proteins and thorough hands on knowledge of various biophysical characterizations
- * GMP experience
- * Strong communication skills

Salary will be commensurate with experience and stock options in this privately owned company are a part of the package. If interested, please send resume to:

Human Resources JB/ace
Altus Biologics, Inc.
625 Putnam Avenue
Cambridge, MA 02139-4807
Email to: jobs@altus.com
Fax to: 617-299-2950

LITHIUM BATTERY RESEARCH SCIENTIST -

Responsible for conducting research and development on new materials for rechargeable lithium ion batteries. Send resume to Valence Technology Inc., Attn: Human Resources, 301 Conestoga Way, Henderson, NV 89015.

ABB / ISYS

Industry analyst looking for feedback from individuals familiar with ABB and Invensys automation products. As a customer, a supplier or an employee of these companies you are willing to provide consulting services eg. ABB and Invensys prospects, strategies, their competitive positioning and their respective strengths and weaknesses and provide me with any additional insights that could help me make informed investment decision. Very attractive consulting fees. Please send your details to dtran_europe@yahoo.co.uk

ASSOCIATE INVESTMENT BANKING

Looking for chemical engineer with strong finance, MBA or law background for Associate position in investment banking firm. Please reply to mail@munozgroup.net for consideration.

ACADEMIC OPENINGS

TRI-STATE UNIVERSITY, ANGOLA, INDIANA:

The McKetta Department of Chemical Engineering invites applications for a tenure-track position at the level of Assistant Professor. For more information, please see http://www.tristate.edu/HR_DEPT/employment_opportunities.htm

THE DEPARTMENT OF CHEMICAL AND BIOLOGICAL ENGINEERING

at the UNIVERSITY OF MISSOURI-ROLLA seeks applicants for a full-time tenured position at the endowed professorship level beginning in the fall of 2003. A doctorate in chemical engineering is required. For those with a doctorate degree in a related field, a bachelor's degree in chemical engineering is required. The applicant must have a strong research record. The successful applicant will be expected to teach various undergraduate courses as well as have a strong, externally funded research program in areas that can be related to the utilization of or processing of soybeans and other agricultural products. The thrust towards bioseparation and biomodification will be complimented by a unique opportunity to interact with some of the best plant geneticists and genetic engineers in the country. Applications will be accepted until the position is filled but interviews will begin in June, 2003. For further information, visit our web site at <http://web.umar.edu/~chemengr/>. Please send a complete resume, an outline of research plans, and names of three references to: Human Resource Services (hrsinfo@umar.edu) **Reference Number: R53911** University of Missouri-Rolla 1202 North Bishop Avenue Rolla, Mo 65409-1050 UMR is an Affirmative Action/Equal Opportunity Employer. Females, minorities and persons with disabilities are encouraged to apply.

UNIVERSITAT ROVIRA I VIRGILI, TARRAGONA (SPAIN).

The Department of Chemical Engineering is seeking applicants for two tenure-track faculty positions at the rank of Associated Professor. Applicants must be **citizens of any member state of the European Union** and must have a PhD or ScD. in Chemical Engineering, Chemical, Mechanical Engineering or closely related discipline. We seek outstanding candidates who possess the potential and commitment for excellence in undergraduate and graduate teaching and research in biotechnology or process control or transport phenomena or materials and polymers or molecular modelling or process systems engineering or heterogeneous catalysis. Applicants should send a **curriculum vitae, copy of doctor's degree, the names and addresses of three referees**, and a statement of research and teaching interest to: The Chair of The Search Committee, Dept. d'Enginyeria Quimica, Escola Tècnica Superior d'Enginyeria Quimica, Universitat Rovira i Virgili, Av. Països Catalans, 26, 43007 TARRAGONA, Spain (phone 34-977559643; Fax 34-977559621; eq2@etseq.urv.es). The final date for receipt of applications is September 1, 2003.

THE HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY

Visiting Faculty Positions

Bioengineering Graduate Program

Department of Chemical Engineering

Applications are invited for two visiting faculty positions, preferably at the Assistant Professor or Assistant Lecturer level. Applicants should possess a PhD degree in Bioengineering, Chemical Engineering or a closely related field, and have a strong commitment to teaching. Each successful candidate is expected to teach three to four courses per year such as molecular biology, biochemistry, and cell biology, and to assist in the curriculum development of bioengineering courses. Research experience in bioprocessing, pharmaceutical engineering, and biomicrosystems is preferred. Initial appointment is one-year, possibly renewable and may lead to a tenure track position. Salary will be very competitive. Fringe benefits include medical/dental benefits and annual leave. A gratuity will also be payable upon successful completion of contract. Interested individuals should submit a curriculum vitae, a statement of teaching and research interests, and a list of three references on or before **21 June 2003** to Ms Janice Ho, Executive Officer, Bioengineering Graduate Program, Department of Chemical Engineering, Hong Kong University of Science and Technology, Clear Water Bay, Kowloon, Hong Kong. The search will continue until

suitable appointments are made. More information about the Program, the Department and the University can be found on the University's website: www.ust.hk.

(Information provided by applicants will be used for recruitment and other employment-related purposes.)

UNIVERSITY OF FLORIDA BIOLOGICAL ENGINEER, ASSISTANT PROFESSOR

Applications are invited for a faculty position in Biological Engineering at the University of Florida's Agricultural & Biological Engineering Department. A Ph.D. in a related engineering discipline is required, as well as a demonstrated ability to teach and conduct research in such areas as bioreactors, plant modeling with functional genomics, bio-based product development, biosensors/nanotechnology, and bio-environmental/ecological engineering. More information is available at www.agen.ufl.edu. To apply, send letter of application with summary of research and teaching experience, curriculum vitae, and the names and contact information of four references by July 31, 2003 to Dr. Arthur Teixeira, University of Florida, Gainesville FL 32611-0570. E-mail: aateixeira@mail.ifas.ufl.edu.

The University of Florida is an Affirmative Action/Equal Opportunity Employer.

EXECUTIVE SEARCH

Robert Drexler Associates, Inc.

Serving the Chemical Process Industries Nationwide/Overseas

Engineer through Sr. Executive Management

E & C-Operating-Manufacturing

Chem • Petrochem • Pharmaceutical • Food • Environmental • Pulp & Paper • Refinery

Contact: Robert C. Drexler

210 River Street

Hackensack, NJ 07601

Fax: 201-342-9062

Email: drexler@engineeringemployment.com

Phone: 201-342-0200

Visit us at www.engineeringemployment.com



& Associates

Engineers & Chemists Salaries to \$100K

P.O. Box 53629

Fayetteville, NC 28305

Toll Free: 1-800-298-3987 Fax: 910-484-3272

E-mail: resumes@gmarecruiters.com

Process Industry Specialists Since 1977

Engineering Profiles

Chemical Industry Recruiters
Technical – Engineering – Operations
www.engineeringprofiles.com

P.O. Box 15537-A

Pensacola, FL 32514

Billy Price Email: bprice@engineeringprofiles.com

PH: (850) 969-9991

FAX: (850) 969-9987

DESIGN II for Windows™

Rigorous Process Simulation for Chemical and Hydrocarbon processes
including Refining, Refrigeration, Petrochemical, Gas Processing,
Gas Treating, Pipelines, Ammonia, Methanol, and Hydrogen Facilities

- Multiple Sheet Diagram User Interface
- 50 Thermo Methods/886 Component Database
- Mixed Azeotrope Thermodynamics
- Crude & Multi-Component Distillation Towers
- Flash Vessel Sizing / 2 Phase HX Rating
- Crude Feeds (ASTM D-86/1160, TBP)
- Automatic Output to Microsoft® Excel

Download Professional version at:

www.winsim.com

WinSim, Inc.

P. O. Box 1885, Houston, TX 77251

Email: sales@winsim.com

Phone: 281-565-6700 Fax: 281-565-7599