NewEnergy Associates is recruiting for several positions at its facilities located in Atlanta, GA: SYSTEMS ENGINEER. Work with clients to develop advanced production costing and market simulation models for electric power company. Research and develop methodology for Power System Transmission Security Constraint Dispatch, Optimal AC/DC Power Flow, Locational Marginal Price Calculation, Company Interchange Accounting, Unit Commitment, Combined Cycle, Limited Fuel and Pumped Storage Unit Optimization Dispatch using FORTRAN 95, Visual Basic 6.0+, C++ and Java 2.0+ programming languages. Experience with Matlab, Dash’s LP and MIP package is a plus. Master or Ph.D. degree in EE and 2+ years related experience are required. CONSULTANT, Gas Strategy and Planning – Work with clients to develop advanced simulation models of natural gas systems, including the optimization and analysis of volumetric and price uncertainty. Candidate will develop sophisticated mathematical models of demand as well as hub and basis price uncertainty using Monte Carlo and econometrics. Work includes valuation of natural gas portfolios using economic and energy risk measurement techniques. Master’s degree in Economics, Mathematics, or Engineering, with experience using energy industry software tools required. For consideration, please send resume to jobs@newenergyassoc.com. No agents, please EOE.

CALPOLY

DEAN, COLLEGE OF ENGINEERING

THE POSITION: The Dean provides support for the faculty of the College by creating a positive environment for teaching, scholarship, research and professional engagement, and service to the University and community. The Dean is responsible for the quality of academic programs and for managing the financial, human resources, and physical facilities of the College. Because of the learn-by-doing philosophy at Cal Poly, the Dean is responsible to support the current laboratory-based curriculum and to support the development of new labs. The Dean develops and implements plans to build partnerships with alumni and the business community, and to seek supplemental financial support for both new and existing programs. The successful applicant should be prepared to demonstrate the leadership ability to distinguish the College of Engineering as a nationally prominent learning center that is reflective of the polytechnic character of the University. The Dean participates in the development of University-wide policy as a member of the Academic Deans’ Council and the President’s Strategic Management Group. The Dean is appointed by the President and reports directly to the President and Vice President for Academic Affairs.

QUALIFICATIONS: An earned doctorate in one of the instructional areas within the College. Credentials appropriate for a tenured appointment at the rank of professor to include a distinguished record of teaching and scholarship. Success in building an academic and administrative experience encompassing human resources and fiscal management; a strong commitment to academic excellence; a demonstrated capacity for academic leadership and team building; commitment to fostering a technology-enhanced collaborative learning environment; capability to expand alliances with the private sector; experience in the design and continuous implementation of the strategic planning process; strong experience and a commitment to engage the College in a comprehensive program of advancement activities; ability to enhance and to work effectively with an ethnically and culturally diverse campus community and to address student needs in a multicultural educational environment.

COMPENSATION: Salary is commensurate with the background and experience of the individual selected. All rights associated with the appointment are governed by the Management Personnel Plan adopted by the CSU Board of Trustees.

THE COLLEGE: The College of Engineering is organized into the following departments: Aerospace Engineering, Civil and Environmental Engineering, Computer Science, Electrical Engineering, Industrial and Manufacturing Engineering, Materials Engineering, and Mechanical Engineering. The mission of the College of Engineering is to educate students for careers of service, leadership and distinction in engineering or other fields by using a participatory, learn-by-doing, “hands-on” laboratory, project and design-centered approach. Nearly 130 full-time faculty members teach over 4,800 students enrolled in twelve baccalaureate and nine master’s degree programs. The College is the largest undergraduate engineering college west of the Rockies and one of the nation’s premier institutions for undergraduate engineering education. Over half of all engineering courses have associated laboratories that provide the hands-on experience necessary to link theory with practice. In addition, students have the opportunity to participate in “real world” engineering problem solving through co-ops and internships with industry and government and through the senior project design experiences. Opportunities are available for students to be appointed to the highly recognized university and national honor societies. For more information, visit the College’s website at http://www.calpoly.edu.

THE UNIVERSITY: Cal Poly is a state university with nearly 18,000 students. The University has a distinctive mission and is best known for its polytechnic programs. It also offers comprehensive curricula in the arts and sciences. One of the 23 campuses of The California State University, Cal Poly has built an exemplary reputation on its learning, teaching, research and professional engagement, and service to the University and community. Questions regarding faculty recruitment should be directed to Dr. Warren J. Baker, President, c/o Academic Personnel Office, One Grand Avenue, California Polytechnic State University, San Luis Obispo, CA 93407.

INQUIRIES AND ADDITIONAL INFORMATION: Contact Academic Personnel via E-mail at academic-personnel@calpoly.edu; FAX: (805) 756-5185; Phone: (805) 756-2844

Cal Poly is strongly committed to achieving excellence through cultural diversity. The University actively encourages applications and nominations of all qualified individuals. Equal Opportunity Employer.

ENGINEERING (TEST) MANAGER of SW Engineers. Oversee creation of test plans & test cases for Asic verification using VeriForm, Gencart, Mentor Graphics, and Agile Testbench. Experience with L2/L3/L4 protocol testing & methodologies also required. Requires BSEE or equivalent & relevant experience. Send resume to Astute Networks, Inc. 16516 Via Espirito Ste #200 San Diego, CA 92127 or email to nancy@astutenet.com.

COMPUTER ADMINISTRATOR. Seeking a computer administrator to administer company’s Windows NT and SCO UNIX systems. Responsibilities include: insuring data integrity and security as it relates to system backup and data management, modifying users, rights and data structure, and, hardware maintenance, repairs and upgrades; administering LumberTrack inventory management software by maintaining and setting up data fields for customers, vendors, mill accounts, terms codes, locations, product codes, ports, and canned notes, maintaining accounting interface rules tables, and identifying and correcting system operating and setup problems; preparing and entering data into inventory management system, such as (i) lumber receipts, production runs and shipments for several Brazilian and Honduran inventory locations, reconciling foreign generated reports to data previously entered, reconciling various Invenio, Gigabit-Ethernet receivable and expense accrual accounts; preparing reports by downloading data from the inventory management system via Cyberquery and Excel interfaces, such as (i) accounts receivable monthly reconciliation, (ii) quarterly sales data by destination country, (iii) quarterly sales data by market, (iv) quarterly sales data by sales department, (v) monthly schedule of shipping for insurance companies, (vi) vendor and customer address labels, (vii) audit accounts receivable confirmation; preparing operating data and special reports, as required, and provide personnel in all locations with information required by them to carry out their
CHIEF SCIENTIST
Information Directorate • Rome, New York
Air Force Research Laboratory

The Air Force Research Laboratory/Information Directorate is
seeking a national leader in the field of Information Sciences Science
and Technology for the Chief Scientist (ST) position in the Air Force
Research Laboratory, Rome, NY.

The Information Directorate conducts USAF research, exploratory
and advanced development activities in knowledge-based technologies,
computer science and technology, collaborative environments, signal
processing, information fusion and exploitation, command & control
decision support, aerospace connectivity, networking, information
management and cyber operations. The Chief Scientist provides
scientific leadership, advice and guidance throughout the laboratory
on research plans and programs in core area and related technologies.
The Chief Scientist serves to focus research and development efforts
associated with the interrelated group of technologies and strengthen
the in-house activities of the laboratory. The Chief Scientist conceives,
plans, and advocates major research and development activities;
consults with the director, the technology director and
staff concerning the total research program and results; monitors
and guides the quality of scientific and technical resources; and
provides expert technical consultation to other AFRL directorates,
DOD agencies, universities and industry. The position requires an
internationally recognized authority in information systems science
and technology with the ability to conceive and conduct advanced
research and development. The incumbent must make significant
contributions to the advancement of knowledge in the field as
evidenced by numerous important scientific publications and by
citation of the work by others.

The candidate must have at least three years of specialized
experience within the broad area of information systems science and
technology as applied to areas such as: battlespace awareness, dynamic
planning and execution, and global information enterprise with
specific research experience in areas that support these broad topics
such as information fusion and exploitation, predictive battlespace
awareness, information assurance, cyber operations, communications
& networks, effects based operations, collaborative enterprises,
modeling and simulation, intelligent agents, machine reasoning,
information management, or intelligent information systems. At
least one year of this research experience must demonstrate that the
candidate has leadership experience in planning and executing difficult
research activities resulting in outstanding attainments in information
systems science and technology; or planning and executing specialized
programs of national significance in exploratory and advanced
development of information systems science and technology.

In the past, successful candidates for ST positions in the Air Force
have had 10 to 15 years of progressively responsible research work
after attainment of a PhD which significantly advances knowledge in the
field. This work has included authorship of numerous refereed
publications such as in archival journals, books, or book chapters,
national or international peer group activity, and recognition as a
Fellow of a professional society.

Candidates will be considered for direct hire either as a permanent
senior level government employee, or as a temporary (up to 4 years)
appointment under the Intergovernmental Personnel Act (IPA),
Incumbent will enjoy DV-6 protocol, equivalent to a one star general
officer.

Salary is commensurate with experience. Exceptionally well
qualified candidates outside the government may be eligible for a
recruitment bonus. Position is located in the beautiful four-season
Mohawk Valley in central New York State at the Griffiss Business
and Technology Park. The immediate region features some of the
nation’s top academic institutions such as Cornell University, Syracuse
University, University of Rochester, Binghamton University, the State
University of New York at Buffalo, Rensselaer Polytechnic Institute
and a host of other universities, colleges and junior colleges.

The announcement opened 22 December 2004 and will close
on 29 March 2005. Applications must be received by the
closing date or they will not be considered.

The official Office of Personnel management announcement
with instructions for completing your application can be found at
www.opm.gov, announcement number AF ST-04-08.

Additional information on this announcement may be obtained by
calling the Senior Leader Management Office at (937) 257-1094.
You may also learn more about the Information Directorate by
visiting: http://www/iraf/ml.

The Air Force is an Equal Opportunity Employer

D. E. Shaw Research and Development

Systems Architects and ASIC Engineers
Specialized Supercomputer for Computational Drug Design

Extraordinarily gifted systems architects and ASIC design
and verification engineers are sought to participate in the
development of a special-purpose supercomputer designed
to fundamentally transform the process of drug discovery
within the pharmaceutical industry. This early-stage, rap-
idly growing project is being financed by the D. E. Shaw
group, an investment and technology development firm
with more than US $10 billion in aggregate capital. The
project was initiated by the firm’s founder, Dr. David E.
Shaw, and operates under his direct scientific leadership.

This project aims to combine an innovative, massively
parallel architecture incorporating 90-nanometer “system
on a chip” ASICs with novel mathematical techniques and
groundbreaking algorithmic advances in computational
biochemistry to direct unprecedented computational power
toward the solution of key scientific and technical problems
in the field of molecular design. Successful candidates will
be working closely with a number of the world’s leading
computational chemists and biologists, and will have the
opportunity not only to participate in an exciting entrepre-
neural venture with considerable economic potential, but
to make fundamental contributions within the fields of
biology, chemistry, and medicine.

The candidates we seek will be unusually intelligent and
accomplished, with a demonstrated ability to design and
implement complex, high-performance hardware solutions
based on the latest semi-custom technologies. We are
prepared to reward exceptionally well-qualified individuals
with above-market compensation.

Please send resume, along with GPAs, standardized test
scores (SAT, GRE), and compensation history, to
iede.computer@desrad.deshaw.com.

D. E. Shaw Research and Development, L.L.C. does not
discriminate in employment matters on the basis of race, color,
religion, gender, national origin, age, military service eligibility,
vetern status, sexual orientation, marital status, disability, or any
other protected class.

DE Shaw & Co
assigned responsibilities; and, identifying and preparing special research projects. The successful candidate must possess a bachelor’s degree in computer systems engineering and 2 years of experience as a computer administrator. Hours: 8:00 a.m. - 5:00 p.m. 35+ hours per week. Salary: $36,000.00 per year. Contact LA Office of Employment Security, Job Order 135535, 1350 Thalia Street, New Orleans, LA 70130-4426.

SENIOR SECURITY CONSULTANT. Requires a B.A. in Business plus 2yrs exp in job offered or 2yrs exp as Software Engineer or Consultant. Exp. must include extensive background providing support, advice/guidance on the correct application of security solutions or techniques including exp. developing recommendations for complete business solutions or technical security applications. Must have demonstrated ability to research technologies available in the security solutions area; evidence overall understanding of various IT environments to assess appropriate security technologies. Design, develop & implement solutions using advanced techniques & tools applicable to areas of resource provisioning mgmt (RPM), permissions mgmt infrastructure (PMI) & security infrastructure assessments across multiple lines of business. Provide leadership to jr. consultants in the security practice including assisting them w/resolving routine prblems. Function as technical and/or project lead. Assist jr. consultants w/designs, q.c. & test procedures for security solutions. Apply technical security expertise to support development of technology architecture & total systems solution. Perform competitive analyses. Lead technical portion of security demonstrations internally/externally. Position reqs extensive travel to customer sites. Salary $69,056 yr. Send resume to: Dept. of Workforce Svcs., Attn: Erlinda Anderson, J.O. # 8173219, 140 E. 300 So. SLC, UT 84111.

UNIVERSITY OF WATERLOO, Associate Director of Software Engineering. The Software Engineering Board invites applications for a five-year, defi- nite-term position as Associate Director at the rank of Lecturer, with the possibility of the appointment being converted to a permanent position. A candidate must possess a graduate degree, preferably a Ph.D., in Software Engineering, Computer Science, or Computer Engineering, and must be willing to seek Ontario regis- tration as a Professional Engineer. The candidate must also demonstrate an aptitude for outstanding teaching in software engineering or related area. Industrial experience is desirable. The appointment could start as early as May 2005. Applications will be considered until the position is filled. At Waterloo, Software Engineering (http://www.softeng.uwaterloo.ca/) is a professional undergraduate pro- gram jointly offered by the Department of Electrical and Computer Engineering (http://www.ece.uwaterloo.ca/) and the School of Computer Science (http://www.cs.uwaterloo.ca/). The faculty are international leaders in software-engineering research, and the program attracts many of the best students in the country, admitting more than one hundred students each year. Excellent offices, laboratories, and computing facilities, and supportive staff provide for a productive work environment. The role of the Associate Director is to help administer the Software Engineering program. Primary duties include teaching, academic advising, promoting the program, and coordinating administrative tasks with counterparts in Computer Science and in Electrical and Computer Engineering. Scholarly activities, such as professional development and/or participation in research, are also expected. The University of Waterloo encourages applications from all qualified individuals, including women, members of visible minorities, native peoples, and persons with disabilities. Candidates are encouraged to apply; however, Cana- dian citizens and permanent residents will be given priority. Applications should be sent by electronic mail to se-director@uwaterloo.ca, or by post to Dr. Joanne Atlee, Director of Software Engineering, University of Waterloo, Waterloo, Ontario Canada N2L 3G1. An application should include a curriculum vitae, statement of career objectives, and the names and e-mail addresses for at least three referees. Applications should ask their referees to forward letters of reference to the address above. Applications will be considered as soon as they are complete, and as long as the position is available.

UNIVERSITY OF WEST FLORIDA. Position #11829. Opportunity to shape the future of the department and the careers of 17 bright, primarily Junior-level faculty. Position available as early as August 2005, but open until filled. Successful candidate must hold the Ph.D. in Computer Science or a closely related discipline, be eligible for tenure, possess strong leadership skills, and have a record of achievement in teaching, academic research, and service. Field of expertise is open, and salary is competitive and commensurate with experience. The University of West Florida has a student population of 10,000 and is situated on a picturesque thousand-acre nature preserve at the northern edge of Pensacola, a city with a population of 300,000. The department con- sists of 600 undergraduate majors enrolled in 85 degrees in Computer Sci- ence, Computer Information Systems, and Interdisciplinary Information Tech- nology, and 50 M.S. majors with specializations in either Computer Science or Software Engineering. The primary focus of the department is teaching, however, all faculty members are expected to con- duct scholarly research. Faculty research interests include artificial intelligence, computers in education, database systems, image processing, networks, operating systems, pattern recognition, software engineering, simulation, and theory of computation. The department has a close association with the Institute of Human and Machine Cognition (IHMC), a research institute in downtown Pen- sacola. A police background screening is required. For more information about UWF, visit our website at www.uwf.edu. Application Procedures: Applicants must apply online at https://jobs.uwf.edu. Be prepared to attach a curriculum vitae and letter of application/interest to the online application. Send three (3) sealed letters of recommendation and official trans- scripts to Dr. Leo terHaar, Selection Com- mittee Chair, Department of Computer Science, 79/102, University of West Florida, 11000 University Parkway, Pen- sacola, FL 32514. Questions may be addressed to jcoffey@cs.uwf.edu. Application Deadline: Position is open until filled. Preference will be given to those who apply by May 31, 2005. UWF is an Equal Opportunity/Access/Affirmative Action Employer

ENGINEER, ASIC VERIFICATION. To work with RTL engineers to validate com- plex ASIC designs. Requires BSEE, relevant experience verifying systems-on-a-chip, experience verifying large systems, and Verilog experience. The job requires excellent attention to detail and the ability to understand and locate bugs quickly. The initial appointment will be for four years, and continuation is subject to availability of funding. The first probationary period is normally 4 years (unless credit for previous service is granted) and a sec- ond probationary period must be 2 years. This position is in support of a major research initiative, funded by the federal and provincial governments and industrial partners, on developing intelligent sensing technologies for monitoring oil sand mining operations (see www.cs.ualberta.ca/~cims). Candidates should have a Ph.D. in CS or EE, with specialization in image and signal processing or computer vision. Preference will be given to appli- cants with knowledge and experience in adaptive image/signal processing, stochas- tic and multi-scale techniques for image modeling and analysis, and sensor fusion (intensity/range) algorithms. Work- ing with an NSERC industrial research...
In order to conform to the Age Discrimination in Employment Act and to discourage age discrimination, Computer may reject any advertisement containing any of these phrases or similar ones: “…recent college grads…,” “…1-4 years maximum experience…” or “…up to 5 years experience.” Computer reserves the right to append to any advertisement without specific notice to the advertiser. Experience ranges are suggested minimum requirements, not maximums. Computer assumes that since advertisers have been notified of this policy in advance, they agree that any experience requirements, whether stated as ranges or otherwise, will be construed by the reader as minimum requirements only. Computer encourages employers to offer salaries that are competitive, but occasionally a salary may be offered that is significantly below currently acceptable levels. In such cases the reader may wish to inquire of the employer whether extenuating circumstances apply.

chair, the candidate is expected to establish his research program, develop novel solutions to practical industrial problems, and supervise students at both the graduate and undergraduate level. The position will also require teaching at a reduced load. Strong communication skills, project management, inter-personal skills, and team leadership are important qualities. Competition will remain open until a suitable candidate is found. Find further details about us at www.cs.ualberta.ca. To apply send your curriculum vitae and average five typeset words per line. Send copy at least one month prior to publication date to: Marian Anderson, Classified Advertising, Computer Magazine, 10662 Los Vaqueros Circle, PO Box 3014, Los Alamitos, CA 90720-1314; (714) 821-8380; fax (714) 821-4010. Email: manderson@computer.org.

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