THE UNIVERSITY OF TENNESSEE

The Imaging, Robotics, and Intelligent Systems (IRIS) Laboratory at The University of Tennessee: The IRIS Lab invites applicants for multi-year Research Assistant/Associate Professorships and Ph.D. Fellowships. The IRIS Lab’s emphasis is in the fields of Three-dimensional Imaging, Data Fusion, and Visualization. For 2003, the IRIS Lab is expected to have a staff of 40 and an annual budget over $3 Million. Interested persons should contact: Mongi Abidi, Professor and Associate Department Head, Department of Electrical and Computer Engineering, 328 Ferris Hall, Knoxville, TN 37996-2100. Web: http://imaging.utk.edu/opportunities/opportunities.htm, Phone: 865-974-5454, Fax: 865-974-5459, E-Mail: abidi@utk.edu. UTk is an EEA/A/Title VI/Title IX/Section 504/ADA/ADEA Employer.

UNIVERSITY OF KANSAS
Bioinformatics Faculty
Department of Electrical Engineering and Computer Science

The Department of Electrical Engineering and Computer Science (EECS) of the University of Kansas (KU) seeks two outstanding individuals to fill tenure track faculty positions in the disciplines of computer science or computer engineering with a focus on bioinformatics theory/sciences. The successful faculty candidate is expected to contribute to the development of academic and research programs in computing with an application focus in bioinformatics while participating in research collaborations. KU has a major commitment to support life sciences research, including bioinformatics, and there are outstanding opportunities for collaboration with others on the Lawrence campus, KU Medical Center in Kansas City, KS, using expanded capabilities for proteomics research, which soon will include state-of-the-art mass spectrometry instrumentation (MALDI-TOF/TOF, MALDI QqTOF, and linear ion trap), and automated equipment for separation, proteolytic digestion, and sample archiving.

Of particular interest is expertise in distributed databases, information modeling, statistical pattern analysis, machine learning, data mining, and algorithm optimization; all with applications to bioinformatics. Candidates are sought for all ranks, ranging from Assistant Professor to Distinguished Professor. Candidates for Distinguished Professor must meet university-wide criteria specific to such an appointment. The successful candidates should have an earned doctorate or equivalent in computer engineering, computer science, or related fields. Demonstrated research and academic leadership is required for senior ranks. EECS is the largest department in the KU School of Engineering, with 28 faculty and a research volume of over $6 million. EECS offers undergraduate and graduate degrees in electrical engineering, computer engineering, and computer science, and has approximately 600 undergraduate and 250 graduate students. For more information concerning this position, the University of Kansas, Lawrence, see: http://www.eecs.ku.edu/jobs/bioinformatics_search.

The appointment will be effective as negotiated. Applications and nominations should be sent to Dr. Victor Frost, Search Committee Chair, KU, Nichols Hall, 2335 Irving Hill Dr., Lawrence, KS 66045. Applications should include a letter of application, curriculum vita, and the names and addresses of three references. Applications will be reviewed beginning April 21, 2003 and will be accepted until the position is filled.

The University of Kansas is an EO/A employer.

GOLDEY-BEACOM COLLEGE
Wilmington, Delaware
Computer Information Systems Faculty Position

Goldey-Beacom College announces the opening of a faculty position beginning August 2003. This position requires an earned doctorate in the designated area

Advance the Practice of Software Engineering

The Software Engineering Institute (SEI), a college-level unit of Carnegie Mellon University, is recognized internationally for its work in process improvement and cyber security. Ongoing efforts poised for similar international impact include those in security, process improvement, performance-critical systems, software architecture, and software components. Join us in keeping our program focused on leading-edge, “make a difference” opportunities.

Chief Technical Strategist

Responsible for formulating a technical vision and strategy for advancing the state of practice in the engineering of software-intensive systems, you will identify trends in technology and industry best practice and serve as the point person for integrating those trends into the SEI research agenda. Duties include helping to define our strategic vision; translating it into an aggressive, achievable plan; and guiding the organization through the execution of the plan.

Your 15+ years of experience in a technology- or research-based organization should include a leadership role in identifying relevant technology trends and aligning your organization’s research agenda to those trends. You must have an advanced degree (PhD preferred), ongoing relationships with the research and university communities, and experience managing large, complex, applied-research projects.

Dynamic Systems Program Director

Developing the SEI strategy for helping organizations manage the performance attributes of software-intensive systems, you will provide vision and technical leadership for COTS-Based Systems and Performance-Critical Systems Initiatives; define and establish a research strategy and engineering plan (e.g., high dependability, embedded and distributed real-time systems); and manage operations, including people, resources, commitments, and budgets.

We require 10+ years of experience managing large, complex projects in a technology- or research-based organization. Your experience must include a leadership role in transitioning research outcomes into achievable best practices, developing and managing financial and human resources, and building internal and external relationships. An advanced degree is essential; PhD is preferred.

We offer excellent salary and benefits. For immediate confidential consideration, forward your resume and salary history to: hr-computer@sei.cmu.edu. We’re committed to workforce diversity, AA/EEO.

Carnegie Mellon Software Engineering Institute www.sei.cmu.edu
or a closely related field, proven excellence in teaching, experience with the integration of technology into the curriculum, business experience, and a commitment to continuous improvement. Responsibilities include teaching undergraduate and graduate level courses, developing curriculum, performing research, and other professional responsibilities generally expected of college faculty.

**COMPUTER INFORMATION SYSTEMS TO APPLY:** Send letter of interest, current vita, graduate transcripts, list of references including e-mail addresses, and summary of teaching evaluations to: Joyce E. Jones, Vice President for Academic Affairs, Goldey-Beacom College, 4701 Limestone Road, Wilmington, Delaware 19808.

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http://www.gbc.edu

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**SOFTWARE ENGINEER III**

Responsible for a complete feature enhancement or the design of a new feature which involves designing, coding, and testing of a project to meet high-level specifications. Write technical documentations including high/low level detailed design specifications, technical manuals, etc. Support and maintain existing applications. Consult with other departments, programmers and/or analysts on unusually complex areas of problems. May act as an advisor in area of functional expertise. Research and understand the marketing requirements for a product, including target environment, performance criteria and competitive issues. Train less experienced programmers. Lead projects but does not have formal supervisory responsibility. May have customer contact when resolving technical support problems. Performs related duties as assigned. Must have a Bachelor’s degree in Computer Science or related. Must have 2 years experience in computer related occupations.

Full time. Salary: $50,000 per year. Send resumes to
Dpt. of Workforce services
Attn: Erlinda Anderson
Job Order # 8027895
140 East 300 South
SLC, UT 84110

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**WESTERN MICHIGAN UNIVERSITY Faculty Position Department of Computer Science**

Applications are invited for a tenure track faculty position in Computer Science at the rank of assistant professor, beginning August of 2003 or January of 2004. The successful candidate will teach undergraduate and graduate courses as well as introductory service courses, advise graduate and undergraduate students, conduct research relevant to computer science, and serve on University, college, and department committees. The department has 15 faculty members, about 400 undergraduate students and about 200 graduate students. We offer two B.S. degrees, two M.S. degrees and a Ph.D. degree.

Applications from persons with research interests in any area of computer science will be considered. Candidates with research interests in software engineering, computer networks, databases, and web technologies are especially encouraged to apply. An earned Ph.D. in computer science or a closely related field is required. Review of applications will begin April 30, 2003. Applications including a resume and names of three references should be sent by email (PDF format only) to:
Mohsen Guizani, Professor and Chair mguizani@cs.wmich.edu
http://www.cs.wmich.edu

WMU is an equal opportunity employer. In addition, it has embarked upon a vigorous affirmative action program and encourages the application of qualified women and members of minority groups.

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**THE UNIVERSITY OF TEXAS AT AUSTIN Endowed Position in Distributed and Grid Computing**

The Institute for Computational Engineering and Sciences at the University of Texas at Austin invites applications for a new position in Distributed and Grid Computing that will carry a tenured appointment in Computer Sciences, Computer Engineering, or a related area and a $2,000,000 renewable term endowment. The holder of this position will be expected to establish UT-Austin as a leader in Distributed and Grid Computing. The candidate should have a track record in interdisciplinary research and in advising PhD dissertations. Applicants should submit a full resume including ten references. Emailed resumes must be in PDF format to Lorraine Sanchez (lorraine@ticam.utexas.edu) or by US mail to:
Grid Chair Search Committee
Institute for Computational Engineering and Sciences
1 University Station C0200
The University of Texas at Austin
Austin, Texas 78712
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**Senior Systems Architects and ASIC/FPGA Engineers: Specialized Supercomputer for Computational Drug Design**

 Successful, well-funded, rapidly growing early-stage venture based in New York City seeks extraordinarily gifted systems architects (including one senior technical manager) and ASIC/FPGA engineers to build a special-purpose supercomputer designed to fundamentally transform the process of drug discovery within the pharmaceutical industry.

This project aims to combine an innovative, massively parallel architecture incorporating application-specific integrated circuits and FPGAs 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.

The successful candidate 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 entrepreneurial venture with considerable economic promise, 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 ASIC and/or FPGA technologies. We are prepared to reward exceptionally well-qualified individuals with above-market compensation as well as equity participation.

Please send resume, along with GPAs, standardized test scores (SAT, GRE), and compensation history, to careers@schrodinger.com.

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April 2003
The Free University of Bozen-Bolzano (Italy) has opened in the academic year 2001/2002 a Faculty of Computer Science and invites applications for 2 full and/or associate professorship positions in Computer Science (INF/01) beginning in September 2003.

The Free University of Bozen-Bolzano has started a curriculum in Computer Science two years ago, and this is the third call for professorship positions issued so far. The teaching language is mainly English. The Free University of Bozen-Bolzano wants to put a strong emphasis on applied research in Computer Science and strengthen the cooperation with local, national and international companies and institutions.

Candidates should already hold an academic position, have a strong research background and a commitment to teaching excellence. Candidates are expected to teach both introductory and advanced courses in Computer Science. Management skills and a strong record of project funding from companies and other organisations are desirable.

All areas of Computer Science will be considered. Particular preference will be given to candidates pursuing research in internet technologies, distributed systems and network, information systems, software engineering, database technologies, intelligent systems, multimedia and user interfaces.

The Free University of Bozen-Bolzano was founded on 31st October 1997 as a free, state-recognised university. As a central-European, internationally-oriented educational establishment it acts as an important bridge between the German and Italian cultural and economic spheres. Most of the teaching staff have an international professional background. The Free University of Bozen-Bolzano already offers various degrees in Economics and Management as well as in Education and in Design & Art. With its almost 100,000 German-speaking and Italian-speaking inhabitants, Bozen-Bolzano, as the capital of the province of South Tyrol, is a multilingual business centre located in a beautiful setting in the Dolomite Alps area.

The applicants should provide:

- a cover letter,
- a curriculum vitae including a list of publications,
- copies of 5 representative publications,
- teaching and project records,
- the specification of the position they are applying for (associate or full professor),
- as well as 3 letters of reference.

Please send your application to the address below before the 30th of April 2003.

The Faculty of Computer Science will only consider applications which arrive at this address by the above date.

Free University of Bozen-Bolzano
Faculty of Computer Science
Dominikanerplatz 3 – Piazza Domenicani, 3
P. O. Box 276
39100 Bozen - Bolzano
Italy

e-mail: jgamper@unibz.it

Enquiries and questions should be directed to Dr. Johann Gamper, phone: +39 0471 315630, e-mail: jgamper@unibz.it, URL: http://www.inf.unibz.it.
sity's suburban campus on the New Jersey shore is home to approximately 30 baccalaureate degree programs and 13 master's programs. It is located in an area near some of the world’s leading high technology companies and federal government organizations.

Applicants should send a cover letter, including a statement of teaching and research interests, a resume and the names of three professional references to: Chair – Software Engineering Search Committee c/o Francis C. Lutz, Dean-School of Science, Technology and Engineering Room 540 - Howard Hall 400 Cedar Avenue West Long Branch, NJ 07764-1898 Attention: Software Engineering Search Committee Applications should be submitted by April 15, 2003. They will be reviewed as they are received and will be accepted until the position is filled. Monmouth University is an Equal Opportunity Affirmative Action Employer.

NATIONAL CHUNG CHENG UNIVERSITY
Chiayi, Taiwan
Institute of Computer Science and Information Engineering
Tenure Track Positions in all areas of Computer Science

Our department is expanding its B.S., M.S., and Ph.D. programs in computer science, and will have at least 5 to 6 tenure track positions open in all areas of computer science for the coming 3 years. We are seeking candidates with strong research potential as well as good teaching skills. Most candidates would start at an assistant professor level, but senior applicants with strong, proven track records may be hired as associate or full professors. Applicants must have a Ph.D. in Computer Science or a related field.

More information about the positions and our department are available online at http://www.cs.ccu.edu.tw. Please send your vita, including statements of research and teaching objectives, transcripts, publications, and three references, to the Faculty Recruiting Committee, Department of Computer Science and Information Engineering, National Chung Cheng University, Chiayi 621, Taiwan, or email to frc@cs.ccu.edu.tw. Applications will be reviewed at the end of April and November of each year.

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School of Information Systems Openings for Faculty

Applications for tenure-track and practice-track are invited at all levels.

The Singapore Management University (SMU) was officially incorporated in January 2000. It holds the unique position of being Singapore’s first private university funded by the government of Singapore. SMU’s mission is to generate leading edge business and management research with global impact, and to produce creative and entrepreneurial leaders for the knowledge-based economy.

SMU’s School of Information Systems (SIS) was created in November 2002 to extend the university’s mission into the realm of business-focused information technology. SIS will deliver undergraduate, research, and masters/professional programmes. The first student intake for the Bachelor of Science (Information Systems Management) is August 2003.

SMU and Carnegie Mellon University (Pittsburgh, USA) have entered into an exciting partnership to jointly establish the School of Information Systems. Carnegie Mellon faculty are actively participating in SIS faculty selection, mentoring and development, and in the design of the SIS undergraduate curriculum, research centre and masters/professional programmes.

SIS Research themes include:
- E-business applications & directions
- Data management in economic, financial, marketing and related business and management applications
- Information security applications, management and policy
- Architecture, software engineering and systems development methods
- Information systems management, strategy and value analysis
- Business case and total cost of ownership analysis for IT solutions
- Demonstration of innovative IT applications and value propositions in financial services, manufacturing, supply chain & logistics services, health & medical services and the public sector
- Multi-disciplinary collaborations with SMU’s School of Accountancy, School of Business, and School of Economics and Social Sciences

SMU is committed to improving pedagogy. SIS teaching will emphasize interactive and participative learning formats and innovative project experiences in regional and global settings.

Undergraduate courses will be delivered in the following areas: Object oriented systems, Rapid solution assembly, Data management, Networking, Software engineering methods & processes, Enterprise integration, Security, Performance & quality of service, Architectural analysis, Design studios, and Special projects.

Tenure-track applicants must have a PhD from an internationally recognized university in the areas of Information Systems, Information Technology, Computer Science or related disciplines and an outstanding record of academic research and publishing that is commensurate with their desired rank. Tenure-track faculty must also demonstrate a genuine passion for business applications and for interacting with business leaders.

Practice-track faculty applicants must have a PhD in the related IT disciplines, an outstanding record of participating in leading edge applications that impact business practice, and a passion for communicating new knowledge and best practices through industry and professionally relevant publications, conferences, and seminars.

Interested candidates should submit a cover letter, curriculum vitae, letters of recommendation, samples of published work, and where appropriate samples of application practice.

Candidates living outside North America, please submit to:
Dr Steven Miller, Interim Dean, SIS
c/ Office of Faculty Administration
Singapore Management University
469 Bukit Timah Road
Singapore 259756
Telephone: +65 6822 0189
Email: siscm@smu.edu.sg

Candidates living in North America, please submit to:
Ms Betty Cosnek
Institute for Strategic Development
Carnegie Mellon University
Posner Hall 236
Pittsburgh, PA 15213-3890
Email: smuiss@andrew.cmu.edu

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www.smu.edu.sg

April 2003
SOFTWARE ENGINEER

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