Healthcare TG Position Postings

October 13, 2010

TEXAS TECH UNIVERSITY, DEPARTMENT OF PSYCHOLOGY - *CHAIRPERSON*: The Department of Psychology at Texas Tech University invites applications for the position of Chairperson. Psychologists in all fields are encouraged to apply. Applicants should have academic credentials commensurate with those of an advanced Associate or Full Professor with tenure. Candidates must demonstrate a sustained record of achievement in funded research, teaching, and service, along with relevant administrative experience. Texas Tech offers possibilities for collaborations with the Texas Tech University Health Sciences Center as well as community and governmental agencies. The department has 28 faculty members, over 100 doctoral students, and nearly 900 undergraduate majors. The department administers APA-accredited doctoral programs in both clinical and counseling psychology, an HFES-accredited doctoral program in human factors, and doctoral programs in applied cognitive psychology and social psychology. Texas Tech University is classified as a doctoral research-extensive university by the Carnegie Foundation, has an enrollment of ca. 30,000 students, and is one of the major, state-supported, multidisciplinary universities of the Southwest. Texas Tech offers 104 masters and 57 doctoral programs, with Schools of Medicine and Law located on the main campus. Lubbock, which is located in West Texas, is a commercial, medical, and cultural hub with a population of more than 200,000. All applications must be submitted online at http://jobs.texastech.edu under requisition number 82161. Completed applications must include a cover letter, curriculum vita, statement of proposed research, sample reprints, a description of administrative experience and style, and the names of three individuals who will provide letters of recommendation. Letters of recommendation should be mailed to Dr. Dominick Casadonte, Chair, Psychology Search Committee, c/o Texas Tech University, Department of Psychology, Box 42051, Lubbock TX 79409-2051, or may be e-mailed to Dominick.Casadonte@ttu.edu. Review of applications by the committee will begin on December 1. Texas Tech is an Affirmative Action/Equal Opportunity Employer. We strongly encourage applications from women, minorities, veterans, and we consider the needs of dual career couples.

Uniformed Services University - ***Assistant Professor (Tenure Track):***

http://www.higheredjobs.com/details.cfm?jobcode=175430754

Hospira: ***Director of Human Factors***. Hospira is located in Lake Forrest, near Chicago.
Contact Ella Cozmi at ella.cozmi@hospira.com and Steve Pregulman at Steven.Pregulman@hospira.com

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Vanderbilt University is looking to hire a full-time human factors scientist to join our Research Center. Visit the link below to apply or contact the Center's Director, Matt Weinger directly if you are interested in learning more about these positions (matt.weinger@vanderbilt.edu).

Job Title: ***Human Factors Researcher***

The human factors researcher will be a member of a multi-disciplinary team that seeks to apply human factors and clinical informatics skills to complex healthcare technology development and process improvement projects. The candidate will be trained and/or have industry experience in field research, human factors data analysis, and iterative process/technology design and evaluation. The candidate should be experienced in usability techniques such as creating user scenarios, rapid prototyping, and user-centered design. Familiarity with safety critical health care environments is highly desirable. The candidate will be expected to liaise closely with physicians, nurses, Informatics Consultants, programmers, managers, and engineers. Additionally, the candidate will assist in creating research evaluation plans, conducting quantitative and qualitative research, and facilitating analysis and dissemination of findings. The candidate should have an in-depth understanding of the theories, principles, and data associated with human performance capabilities as well as design and development limitations. Actual work activities will vary depending on each project's scope and status. This job is located in Nashville, TN at Vanderbilt University.

Minimum requirements: Masters degree in applicable field and significant (preferably 2-4 years) experience.

Salary dependent on training and experience. Generous benefits.

https://www.recruitingcenter.net/Clients/vanderbiltjobs/PublicJobs/controller.cfm?jbaction=JobProfile&job_id=21149

University of CA – San Diego

POSITION: ***Postdoctoral Fellow in Optimization Research***

Postdoctoral fellow positions are immediately available for individuals interested in pursuing an academic career in Medical Physics Research. The fellow will be mainly responsible for the development of algorithms and computer codes for real-time interactive treatment plan optimization. A Ph.D. in engineering, computer or physical sciences, with strong computational mathematics background and extensive computer programming experience, is required. Appointment can be up to three years.

http://radonc.ucsd.edu/Research/CART/positions.asp

Please contact Dr.Steve Jiang at sbjiang@ucsd.edu

We have several new full-time positions open at **MIT Lincoln Laboratory** (http://www.ll.mit.edu/) to fill with great human factors folks. Come join a fun and exciting work environment in lovely New England! Upload your resume to the lab's website and send notification/questions to Hayley@ll.mit.edu if you're interested. Security clearance (US citizenship) required.

Experimental Position:

Internal Description: Lincoln Laboratory is performing work in support of research and development into the areas of air traffic control decision support and human-systems integration. An experimental psychologist or systems engineer with experimental research experience is sought to lead human-in-the-loop experiments using decision support system prototypes. The candidate will have expertise in cognitive engineering, systems engineering, human factors, and/or cognitive psychology. The successful candidate will be an advocate for human systems integration and an excellent communicator. Experience is the aviation domain is desired, but not required. Experience as a member of a system development team would be extremely useful, as would experience interacting with users in the field. It is critical that the candidate be self-motivated and forward-thinking. Progress towards a MS or PhD in Applied Experimental Psychology OR Human Factors or a BS or MS in Engineering coupled with strong education (e.g., minor or dual major) in Psychology or related fields OR 2 years experience performing similar work is required.

GUI Position:

Internal Description: Lincoln Laboratory is performing work in support of research and development into the areas of air traffic control decision support and human-systems integration. A computer scientist or graphic artist is sought to evaluate and design usable and aesthetic and usable graphic user interfaces for decision support systems. The candidate will be have expertise in graphic design, usability, human-computer interaction and/or Java. The successful candidate will be an advocate for human systems integration and an excellent communicator. Experience as a member of a system development team would be extremely useful, as would experience working on safety-critical systems. It is critical that the candidate be self-motivated and forward-thinking. A BS or MS in computer science with a focus on interface design or a BS or MS in graphic art with development experience OR 2 years experience performing similar work is required.

Field Position:

Internal Description: Lincoln Laboratory is performing extensive field work in support of research and development into the areas of air traffic control decision support and human-systems integration. An engineer with a background in cognitive engineering, systems engineering, human factors, and/or cognitive psychology is sought to support field testing of system prototypes and post-test data analysis. The successful candidate will be an advocate for human systems integration and an excellent communicator. Experience is the aviation domain is desired, but not required. Experience as a member of a system development team would be extremely useful, as would experience interacting with users in

the field. It is critical that the candidate be self-motivated and forward-thinking. Progress towards a BS or MS in Engineering coupled with strong education (e.g., minor or dual major) in Psychology or related fields or 2 years experience performing similar work is required.

Department of Mechanical Engineering
Medford, MA 02155

DEPARTMENT CHAIR

The School of Engineering (SOE) of Tufts University invites applications for the position of Professor and Chair of the Department of Mechanical Engineering. We seek an accomplished scholar whose interests complement those of our faculty and who has the ability to foster faculty development. The successful candidate should be committed to excellence in an expanding graduate research program and in innovative undergraduate education. Candidates should possess an earned doctorate in Mechanical Engineering or a related discipline with a demonstrated record of academic scholarship and effective leadership.

Tufts Engineering has experienced extraordinary growth over the past few years. Nearly half of its current tenured and tenure-track faculty members have been recruited during this period and the volume of sponsored research and related intellectual property activity has nearly doubled. There are ample opportunities for cross-disciplinary collaborations with the other engineering departments, the School of Arts and Sciences, as well as Tufts' world class professional schools. Faculty members have access to numerous academic and industrial interactions beyond Tufts through the diverse academic, research and development, and cultural life of the greater Boston area.

The Department of Mechanical Engineering currently consists of 17 full-time faculty members (tenured/tenure track and non-TT including 3 Professors of the Practice). Faculty scholarship spans a broad spectrum of interests but is clustered in the areas of biomechanical systems, engineering education innovation, human factors, mechatronics, and sustainable energy. The Department offers an ABET-accredited BSME, and MEng, MS, and PhD degrees in mechanical engineering, as well as undergraduate and graduate degrees in human factors. Recognized for its synthesis of theory and practice, the Department enrolls approximately 200 undergraduate majors (the largest SOE undergraduate program), and 80 graduate students. See http://engineering.tufts.edu/me/ for more information.

Screening of applicants will begin immediately, and continue until a pool of outstanding candidates has been identified. Applicants should submit a cover letter, research and educational plans, curriculum vitae, and names and contact information for at least three references to Professor Vincent Manno, via email: Vincent.Manno@tufts.edu with copies to Lorin.Polidora@tufts.edu. Tufts University is an Affirmative Action/Equal Opportunity employer, committed to excellence in teaching and scholarship, and to building a faculty that reflects the diversity of both its students and the world for which it is preparing them. Members of underrepresented groups and women are strongly encouraged to apply and are invited to identify this status in their cover letters.

Medical Device User Interaction Designer

Senior (depending upon qualifications)

Do you find satisfaction in creating products that make a difference in peoples' lives? Do you want to create the interfaces for the next generation of medical devices? Are you interested in creating new ways of looking at our world of data to bring clarity and insights to users?

Continuum is seeking a UI designer to create screen-based interfaces used on medical devices and other complex equipment.

Job Description

- Design effective user interfaces for medical devices, consumer appliances, and other complex devices. Interface platforms include dedicated medical devices, desktop computers, and mobile devices (personal and car-based).
- Design interfaces for screen and non-screen physical interactions.
- Be able to work from rough hand sketches to pixel-level finished computer designed files.
- Collaborate closely with experts in different domains such as field researchers, design strategists, human factors experts, industrial designers, and software engineers, as well as work independently.
- Work alongside field researchers in medical environments (hospital operating rooms and ICUs, physician clinics, labs, and patient homes) to understand and define project needs.
- Develop planning frameworks such as flowcharts to provide structure for development.
- Produce screen layouts in various levels of fidelity (paper prototypes to wireframes to Flash simulations) to support user testing.
- Design interfaces that are both usable and successful in communicating a consistent brand and appropriate visual language.
- Design UI navigation structures, displays, controls, screen layouts, and symbols and icons.
- Author UI style guides and specifications.
- Position requires you to meet minimum standards for gaining entrance to hospitals, including basic inoculations and tests (tuberculosis). Continuum will provide these.

Skills

- Expert ability to understand and create flowcharts, system diagrams, wireframes and content structure.
- Sophisticated graphic, typography, and visual concept skills using tools such as Illustrator and Photoshop.
- Advanced Flash creation and scripting skills.
- Flow diagramming skills (ex., Visio).
- Must thrive on ambiguity and constant change, keeping the end goal in mind.
- Familiarity with medical environments and terminology.
- Must work well on tight schedules, and be able to plan and keep the schedule.
- Knowledge of software engineering/programming development processes is helpful.
- Strong oral and written communication skills.
- Interest in learning about disciplines or fields where they are not experts.

Background

- Human-Computer Interaction degree with at least 3 years experience. Advanced degree is a bonus.
- Experience with desktop and touchscreen platforms required; mobile platforms a bonus.
- Prior experience of designing user interfaces for medical devices required.
- Prior experience with designing interfaces that accommodate text translations for world-wide use is a bonus.
- Ethnographic research skill and experience is a bonus.
- Audio design experience is a bonus.

Location

- Based in Boston, with occasional engagement with the other Continuum studios.

To Apply

- Please send resume and portfolio to work@dcontinuum.com with "*your name*, HCD-UI" in the subject line.

Human-Centered Design Testing Specialist

Junior

Are you interested in people and their behavior?
Are you passionate about how people interact with products, environments, and experiences?
Do you understand what it takes to assess a product or project, and develop and execute the right testing plan to get the right answers?

This means that you…
You know how to ask the right questions in the right way.
You know the limitations of testing and can adapt a testing plan to meet the project objectives. You can look at things in an unbiased way and navigate through them to reach actionable conclusions.

Job Description
- Write clear, concise testing protocols.
- Set up testing environments and moderate the testing sessions.
- Summarize testing results and author summary reports that adhere to industry standards.
- Collaborate with designers, engineers, researchers, and strategists, as well as work independently.
- Conduct testing in our lab as well as in the field (requires periodic travel in the field).
- Manage recruiting and scheduling of sites and participants. These may be patients, consumers, as well as professional medical caregivers.
- Test a mix of the following: usability, device physical interaction, screen navigation, messaging, and a range of other projects.
- Help design proprietary tools (frameworks and hardware/software) for improving testing.

Skills
- Must be able to work at a fast pace.
- Must thrive on ambiguity and constant change, keeping the end goal in mind.
- Must work well on tight schedules, and be able to plan and keep the schedule.
- Strong oral and written communication skills.
- Familiarity with video capture and computer capture tools.
- Interest in learning about disciplines or fields where they are not experts.

Background
- Degree or prior experience in product usability testing.
- Prior experience with usability testing of medical devices and familiarity with medical environments and terminology.
- Ethnographic research skills and experience is a bonus.

Location
- Based in Boston, with occasional engagement with the other Continuum studios.

To Apply
- Please send resume and portfolio to work@dcontinuum.com with “*your name*, Testing Specialist” in the subject line.

Human Factors Engineer

Senior

Working at Continuum is synonymous with teamwork. Our teams bring designers, engineers, business strategists, and a wide variety of other specialists together to face opportunities and overcome challenges on a daily basis. We seek individuals who possess the confidence to push limits, the maturity to step back when appropriate, and a passion for design solutions intended to delight the user.

About You:
You are passionate about applying Human Factors knowledge to the design of products that improve peoples' lives. You must have a proven track record in the physical and behavioral aspects of human factors including research, analysis, and an understanding of usability testing. Familiarity with FDA guidelines and other relevant experience in medical product design is highly desirable.

- Degree in Human Factors Engineering or a relevant BS/MS degree with a concentration in human interaction/human factors.
- Minimum two-to-five years of professional practice.
- Ability to conceptualize ideas in CAD and create early-stage models of ideas or testable concepts. Must be familiar with basic shop practices and have a fundamental interest to create and build testable models.
- Experience in user research and interaction/interface testing.
- Excellent verbal and written communication skills.
- Flexibility and ability to adapt to changing constraints.
- Self-motivation and ability to work alone or in interdisciplinary teams.
- Understanding of design and technology; ability to communicate with designers and engineers.
- Ability to manage and execute all aspects of human factors practice, including developing research and test protocol, conducting research, analysis, evaluation, and documentation.

To Apply:
- Please send resume (and portfolio, if possible) to work@dcontinuum.com with "*your name*, HF10" in the subject line.

About Continuum:
As a global innovation design consultancy Continuum designs experiences that improve people's lives and drive business innovation. Based on in-depth consumer research, rigorous analysis of clients' business challenges and inspired creativity, we identify opportunities for innovation, create new products and services, and design new ways to communicate brands. Since 1983, Continuum has worked with companies worldwide including AllSteel, American Express, Procter and Gamble, Master Lock, Samsung, and Staples. Continuum has offices in Boston, Los Angeles, Milan, Seoul and Shanghai. www.dcontinuum.com

Faculty position in Psychology (Applied Cognitive Science and Human Factors)

The Department of Cognitive and Learning Sciences at Michigan Technological University seeks applicants for a tenure-track, Assistant Professor of Psychology to begin Fall 2011. The position supports our new Ph.D. program in Applied Cognitive Science and Human Factors. All areas of specialization considered, but candidates in **human factors**, applied experimental psychology, and/or advanced quantitative methods/statistics are of particular interest. Ph.D. in psychology or related discipline is required. Post-doctoral experience preferred.

Current program strengths are in basic and applied psychology, human factors, and cognitive science, with an emphasis on research in expertise, cognitive engineering, judgment and decision-making. The ideal candidate will contribute to both basic and applied research, should attract external funding, and pursue interdisciplinary research collaborations with MTU faculty in psychology and affiliated programs. Typical teaching load is 2 (undergraduate and graduate) courses per semester.

Michigan Tech, with 22 Ph.D. and 34 master's programs, is a public mid-sized institution classified as a Research University with high research activity (RU/H). Michigan Tech is ranked in the top tier of national universities according to U.S. News & World Report's "America's Best Colleges 2011" and received "Best in the Midwest" honors in Princeton Review's The Best 373 Colleges, 2011 Edition.

Michigan Tech is located in the heart of Michigan's Upper Peninsula and is rated as one of the Top 10 summer travel destinations, as well as one of the Top 10 outdoor adventure spots in the country for our bike trails, Olympic-caliber cross country ski trails, Lake Superior shoreline, and numerous inland lakes.

Review of applications will begin November 1st. Candidates must send an electronic <psych@mtu.edu> AND physical copy of their application materials, including a letter of application summarizing research and teaching goals, re(pre)prints, curriculum vita, and 3 letters of recommendation to Psychology Search Committee, 310 Chem Sci Bldg, 1400 Townsend Dr., Houghton, MI 49931-1295. Michigan Technological University is an equal opportunity educational institution/equal opportunity employer.

Faculty positions in Health (Basic Sciences, Technologies, and Medical Informatics)

Michigan Technological University invites applicants for new tenure-track positions at any rank in the broad areas of health sciences and engineering. This campus-wide Strategic Faculty Hiring Initiative (SFHI) is projected to bring up to ten new faculty members to campus over a two year period to strengthen the key focus areas of:

- Biochemistry
- Bioengineering
- Bioethics
- Biomaterials
- Biomechanics
- Human Factors
- Medical Informatics
- Cell Biology
- Physiology
- Statistical Genetics

Faculty hired through this initiative are expected to establish a vigorous, nationally competitive research program and to be committed to excellence in both undergraduate and graduate (M.S. and Ph.D.) education. Applicants employing interdisciplinary and multi-scale approaches coupled with new technological tools, those who complement existing strengths of the university, and those with the potential to attract NIH research funding are especially encouraged to apply. New faculty may be affiliated with any existing department at Michigan Tech; joint appointments will also be considered.

A Ph.D. degree is required; postgraduate degree experience is strongly preferred. The application review process will begin on October 1, 2010. Details on the SFHI are available at www.mtu.edu/sfhi. Applicants are asked to send their application materials electronically as a single PDF document to provost-health@mtu.edu. The PDF should contain the following sections:

- A cover letter that includes:
  - The primary focus area from the above list that most closely describes the applicant's research expertise (secondary focus areas may also be included);
  - The applicant's ability to collaborate with current health-related research and education efforts at Michigan Tech (e.g. identifying potential collaborators among the Michigan Tech faculty and institutes and academic departments at Michigan Tech that most closely match your interests)
  - The applicant's experience with issues of diversity, or working in a multicultural environment
  - Current/expected academic rank
- A full curriculum vitae
- A two-page (limit) discussion of research experience, interests and future goals**;**
- A two-page (limit) discussion of teaching interests and philosophy;
- The names and contact information for three references.

Michigan Tech is an internationally renowned doctoral research university located in Michigan's scenic Upper Peninsula, on the south shore of Lake Superior. Houghton provides a unique setting where natural beauty and exceptional year-round outdoor activities, culture, education, and a diversity of residents from around the world come together to share a superb living and learning experience. As part of its strategic focus, Michigan Tech is experiencing remarkable growth in research. In the last five years, research expenditures have doubled, up to $60M in 2008. The university has also recently initiated efforts to advance health-related research capabilities with the establishment of animal facilities and the formation of the Departments of Biomedical Engineering and Exercise Science, Health and Physical Education. Michigan Tech is an ADVANCE institution, one of a limited number of universities in receipt of NSF funds in support of our commitment to increase diversity and the participation and advancement of women in STEM.

Michigan Technological University is an equal opportunity, affirmative action employer/educational institution. Applications from women and minorities are encouraged.

VCU School of Medicine

Virginia Commonwealth University
School of Medicine
Office of Assessment and Evaluation Studies
Program Evaluator
Assistant/Associate Professor, Assessment and Evaluation Studies

The Office of Assessment and Evaluation Studies (AES), School of Medicine, Virginia Commonwealth University (VCU), invites applications for an assistant or associate level faculty position. Rank is commensurate with experience for this non-tenure track faculty position that reports directly to the Associate Dean, Assessment and Evaluation Studies, in his role as Director of Evaluation for the VCU Center for Clinical and Translational Research (CCTR), a program supported in part by a National Institutes of Health (NIH), Clinical and Translational Science Award (CTSA).

Evaluation of the CCTR includes: 1) mapping the transformation of investigators as they advance to conduct clinical and translational research at VCU, 2) documenting progress toward implementation of goals in biomedical informatics, community engagement, education, and pilot studies in translational research, and 3) assessing progress of the CCTR, as a program designed to support clinical and translational research that rapidly moves innovations from the bench to practice and ultimately improves health outcomes.

The Program Evaluator reports to the Associate Dean, Assessment and Evaluation Studies who serves as Director of Evaluation. Responsibilities of the Program Evaluator include:

- design tools for organizational research and evaluation of the CCTR,
- coordinate the integration of CCTR data systems with the Research Information Tracking System (RITS),
- conduct social network analysis to depict progress of select investigators advancing toward goals of transdisciplinary research,
- collect data and report preliminary analyses to the Director of Evaluation,
- contribute to peer reviewed clinical and translational research in topics such as biomedical informatics, organizational behavior, education, and community assessment,
- participate in consultations with faculty to support curriculum innovation, including teaching, learning, and simulation, and
- seek extramural funding to support programmatic activities.

The ideal candidate will hold a doctorate in Industrial and Organizational Psychology, Educational Psychology, Human Factors, or a related field. Experience in program evaluation, training, or health services research within medical education is highly preferred. Required skills include quantitative and qualitative research techniques for identifying and testing variables important to the faculty member and to faculty colleagues. Applicants should indicate their interest by sending a letter, curriculum vitae, and select publications or other works of scholarship (maximum 3) to: Taylor Berens, Research Assistant, Assessment and Evaluation Studies, Virginia Commonwealth University, Box 980466, Richmond, Virginia 23298 (for US mail); or Taylor Berens, Research Assistant, Assessment and Evaluation Studies, 730 East Broad Street, Suite 4200, Room 4202, Richmond, Virginia 23298 (for couriered deliveries, e.g. FedEx). Position will remain open until filled.

VCU is an equal opportunity / affirmative action employer. Women, minorities, and persons with disabilities are encouraged to apply. VCU is an urban, research extensive institution with a richly diverse university community and commitment to multicultural opportunities.

Center for Quality & Productivity Improvement
CQPI

Pascale Carayon, Ph.D
Procter & Gamble Bascom Professor in Total Quality
Department of Industrial & Systems Engineering
Director of the Center for Quality & Productivity Improvement

The Center for Quality and Productivity Improvement at the University of Wisconsin-Madison is looking for a post-doctoral research associate in ***human factors in health care and patient safety.***

Job Description: Post-doctoral research associate

Degree and area of specialization: Ph.D. required; preferably in Industrial and Systems Engineering, Health Services Research or closely related field.

Experience required: Research experience in human factors and ergonomics, health care, organizational change, and systems engineering. The preferred candidate should excel in effective and positive communication; be able to work collaboratively as well as independently; have experience in working on large scale research projects; have experience in writing publications. The preferred candidate should have significant training and expertise in the discipline of human factors and ergonomics and its application to health care and patient safety. S/he should be familiar with quantitative and qualitative research methods, data collection and analysis, and summarizing and publishing research findings. The ideal candidate will be looking to lead their own project, publish extensively and develop new research ideas.

Principal duties:
The Center for Quality and Productivity Improvement (CQPI) is a research center with a large research program devoted to applying systems engineering, human factors engineering, and industrial engineering approaches to patient safety, healthcare worker safety and medical errors reduction research (*Systems Engineering Initiative for Patient Safety or SEIPS*) (http://www2.fpm.wisc.edu/seips/). In a project funded by the Agency for Healthcare Research and Quality, we will design, implement and evaluate an intervention aimed at engaging families in bedside rounds for hospitalized children. The successful candidate for this position will work with Professor Carayon (CQPI and Department of Industrial and Systems Engineering-ISyE), and Dr. Cox (School of Medicine and Public Health, Department of Pediatrics) on this AHRQ-funded project related to *human factors in health care and patient safety*.

Specific duties:

- Participate in the management, design, planning, and execution of the research project on "Engaging Families in Bedside Rounds to Promote Pediatric Patient Safety".

- Meet regularly with research team members to plan projects' activities, discuss progress, and examine projects' results.

- Participate in the development and implementation of the intervention to improve family engagement.

- Supervise and participate in data collection and analysis efforts.

3130 ECB University of Wisconsin-Madison 1550 Engineering Drive Madison, Wisconsin 53706-1609, USA
Phone: +1-608-263-2520 Fax: +1-608-263-1425 Email: cqpi@engr.wisc.edu http://cqpi.engr.wisc.edu

Pascale Carayon, Ph.D
Procter & Gamble Bascom Professor in Total Quality
Department of Industrial & Systems Engineering
Director of the Center for Quality & Productivity Improvement

- Assist in developing human subjects protocols for research project and prepare appropriate documentation for Human Subjects Committee review.

- Collaborate in the preparation and writing of progress reports and publications, and in the presentation of the research project at local, regional and national meetings.

Full-time salary rate: minimum $40,000 annual (12 months), depending on qualifications

Appointment percent: 100%

Start date: April 15, 2011

Number of positions: 1

For more information, please contact Professor Pascale Carayon, Director of the Center for Quality and Productivity Improvement:
Tel: +1-608-265-0503 / +1-608-263-2520
Fax: +1-608-263-1425
Email: carayon@engr.wisc.edu

Position Announcement:
Cognitive Science and Engineering Program,
Department of Technology Entrepreneurship and Innovation Management
College of Technology and Innovation
Arizona State University

The College of Technology and Innovation at Arizona State University invites applicants for tenure track positions in the Cognitive Science and Engineering program. We are seeking dynamic individuals eager to advance our strongly trans-disciplinary environment for learning and discovery centered on technology and innovation.

We anticipate hiring at the assistant professor level, although outstanding candidates of higher rank will also be considered. All applicants must have a Ph.D. in cognitive psychology, cognitive science, experimental psychology, human factors, or a related area that resonates with other program strengths of the college. The successful candidate will be expected to maintain a productive, externally funded research program and to contribute to graduate and undergraduate teaching. We especially encourage candidates with research interests in applying cognitive science to problems in aviation, medicine, driving, consumer products, and simulation and modeling. Preference will be given to candidates with strong quantitative skills.

The successful candidate will have opportunities to collaborate with colleagues with a broad range of interests within CTI (engineering, computer science, applied science, gaming, math, aviation, and others within the unique mix that comprises the college). As a faculty member at ASU the successful candidate will also have opportunities to collaborate across the dynamic and rich intellectual domain of the university (e.g., psychology, industrial design, and marketing). The Cognitive Science and Engineering program has a close relationship with the Cognitive Engineering Research Institute, which is located near campus. The faculty also has access to a rich and growing simulation laboratory environment (e.g., driving, flight, team task environments, and air traffic control simulators) located on campus.

The appointment will begin in August 2011. The applicant must have completed the Ph.D. at the time of appointment. *ASU is an EO/AA employer*.

The application deadline for all positions is November 30, 2010, though selection will continue until a successful candidate has been identified. Please send a curriculum vita and detailed cover letter, and three (3) letters of recommendation to:

CSE Job Search
c/o Nancy Cooke
nancy.cooke@asu.edu
7271 E. Sonoran Arroyo Mall
Suíte 150
Mesa, AZ 85212

About ASU's Cognitive Science and Engineering Program

Cognitive Science and Engineering (http://technology.asu.edu/appliedpsych) is part of ASU's College of Technology and Innovation (CTI), the core college on ASU's Polytechnic campus (http://campus.asu.edu/polytechnic), which enrolls more than 9,000 students on a 600-acre campus in a beautiful desert arboretum in the growing Gateway region on the southeast edge of the Greater Phoenix metropolitan area.

The College embodies the polytechnic values of engaged learning, applied research, engagement with industry, and entrepreneurship. The academic facilities are among the best that ASU has to offer and were designed specifically to advance the polytechnic learning and discovery environment.

The vision of CTI is to innovate at the confluence of science, engineering, and business both in the conceptualization of our academic programs and in our polytechnic approach to knowledge discovery and application. We have a strong commitment to a human-centered focus in the design, creation, and use of technology. We believe that innovation and entrepreneurship thrive when science, engineering, and technology are informed by human strengths and limitations. From that perspective our program in cognitive science and engineering is central to the advancement of the goals of the College. Further, the positioning of Cognitive Science and Engineering within the College of Technology and Innovation provides exciting opportunities for growing a culture of human-system integration that is embedded within technological innovation.

The College of Technology and Innovation is enjoying a period of substantial growth and now enrolls more than 2,300 students majoring in undergraduate and graduate degree programs in applied science, engineering, technology, cognitive science, entrepreneurship and innovation management. The programs thrive under the guidance of more than 100 outstanding faculty members with expertise in many of the most important technological challenges that society faces. Many members of the faculty bring considerable industrial experience to bear on their teaching and research (http://technology.asu.edu/node/15).

The College is home to one of the most innovative engineering programs in the country and some of the most advanced learning laboratories (http://technology.asu.edu/about/facilities) available to students on any university campus.