Research Notes

Office of the Associate Dean for Research / Culverhouse College of Commerce / The University of Alabama

For information on funding opportunities and other information related to sponsored research, please visit research.cba.ua.edu or contact Deborah Hamilton (8-2952).

Retirement Economics

The National Institute on Aging invites applications for research on retirement economics. The research objectives of this program announcement include, but are not limited to, the determinants of retirement behavior; the variation in work patterns in later life; the evolution of health and economic circumstances of individuals through retirement and into later life; time use and life satisfaction before and during retirement; the implications of retirement trends; retirement expectations; international comparisons of retirement; and the development of innovative retirement modeling techniques.

This program will use the R03 grant mechanism. A project period of up to two years and a budget for direct costs of up to two $25,000 modules, or $50,000 per year, may be requested (i.e., a maximum of $100,000 over two years in four modules of $25,000 each).

Anticipated deadline is June 16, 2008.


Information Fusion and Artificial Intelligence

The timely management of information, and the ability to make decisions based on that information, are of paramount importance within this program. The key issue addressed is how to effectively incorporate all available information, from diverse sources and modalities, into the decision process. To understand this issue, research is being sponsored into ways to make the best use of uncertain information; share and disseminate information; increase the accuracy, speed, and economy of the recognition and identification process; and aid the intelligence analyst.

The Information Fusion and Artificial Intelligence program concentrates on research needed to develop large-scale intelligent systems that can address practical Air Force needs. The Air Force means to scale up those methods that work for small knowledge-based systems, to overcome present limitations in the amount of knowledge used because of knowledge acquisition and management deficiencies. Present limitations on meaningful systems adaptation and improvement with use also need to be overcome. Formalisms need to be developed for the representation of and reasoning with uncertainty, handling corrupt information, and effectively using experiences.

Proposals may be submitted at any time during the year.

http://fundingopps.cos.com/cgi-bin/getRec?id=9517

Information Technology

The Information Technology Laboratory announces research opportunities in information technology. Applied research is conducted in designing and deploying large information systems in enterprise-wide operating environments. An area of emphasis is large online databases to be used concurrently by many geographically dispersed users via Intranet or Internet access from a PC. Both thick and thin
clients are of interest. Studies and evaluations are being conducted on state of the art software engineering methodologies advocated by researchers in universities and industry. Investigations may be conducted on any phase of software development, deployment, and operation.

Also subject to study are the operational infrastructure and the effect of the infrastructure on the performance of software systems as perceived by the end-user. An area of special interest is the design and execution of many-user performance tests. The purpose of these tests may be to predict operational performance of given infrastructure under a specified workload or for designing an infrastructure to achieve a given level of performance under a specified workload.

Research is planned in automation of media presentation including current and planned capabilities, considering areas such as report generation, file transfer editing, graphic arts, side production, document layout, and printing. Electronic flow of report information through all necessary channels without hard copy is especially of interest.

Additional research is planned in other information technology areas such as scientific visualization, advanced topics in data, voice and video transmission using evolving communication systems, information center concepts, management and business automation, visual information, library science, and records management. The information explosion has led to the necessity for better technology using fourth or fifth generation methods.

Proposals may be submitted at any time.

http://fundingopps.cos.com/cgi-bin/getRec?id=28423

Training, Leader Development, and Soldier/Personnel Issues

The U.S. Army Research Institute (ARI) is soliciting proposals for its contract program of research and development in the social sciences and humanities. Under this particular announcement, proposals are sought in the areas of training, leader development, and soldier or personnel issues.

Organizations or individuals interested in submitting proposals to ARI should first make preliminary inquiries on the general need for the type of effort contemplated. Deadline is March 31, 2008.

http://fundingopps.cos.com/cgi-bin/getRec?id=100694

Doctoral Dissertation Awards

The National Tax Association awards an annual prize for the doctoral dissertation that makes the most significant contribution to the field of government finance and taxation. Dissertations (theoretical and applied) may be on any topic in the area of government finance, including taxation, debt and fiscal policy, public choice, expenditures, budgeting, administrative and management science applications, program analysis, and policy evaluation.

All graduate students at accredited U.S. and Canadian institutions and individuals who will receive the doctoral degree or its equivalent after July 1, 2007, and before June 1, 2008, are eligible for the awards. Deadline is June 15, 2008.

http://www.ntanet.org/awards/ntaward1.htm