



## The Sam Nunn Security Program

**Atlanta, GA, January, 2006-** The John D. and Catherine T. MacArthur Foundation today announced that it would continue funding of the Sam Nunn Security Program at Georgia Tech. The generous \$1.8 million dollar grant, when coupled with a commitment from the Georgia Institute of Technology, will allow five more years of continued operations of the program beyond which the core program will be picked up by Georgia Tech.

This program is housed in the Center for International Strategy, Technology and Policy (CISTP) at the Sam Nunn School of International Affairs of the Ivan Allen College at Georgia Tech, and it exists for the purpose of drawing scientists and engineers into the national security policy advisement process. The program achieves this by creating fellowships for scientists and engineers with an interest in some aspect of international security. The core of the program is a one academic year long graduate seminar that is designed to teach the fellows about the policymaking process and to give them the cognitive tools necessary to conduct policy analysis. Fellows study many key issues at the nexus of science and national security including: proliferation of weapons of mass destruction, critical infrastructure protection, military technology transfer, the intelligence cycle, regional security issues, the role of technology in economic development, energy import dependency, and the ramifications of climate change. The guiding philosophy of the program is that solutions to these problems will not present themselves in the absence of sufficient scientific understanding, but that this technical understanding must be coupled with insight into how humans make decisions, conduct negotiations, and reach consensus.

The seminar is co-taught by three professors from the Sam Nunn School of International Affairs. Dr. John Endicott is a retired Air Force Colonel who served as the Director of the Institute for National Strategic Studies at the National Defense University before coming to Georgia Tech in 1989 to serve as both a Professor and as the Director of the Center for International Strategy, Technology and Policy. Dr. Endicott is most well known for his

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efforts to achieve a Limited Nuclear Weapons Free Zone in Northeast Asia (LNWFZ-NEA), for which he was nominated for a Nobel Peace Prize in 2005. Dr. Seymour Goodman taught and conducted research at the University of Chicago, Princeton, the University of Virginia, Stanford, and the University of Arizona before coming to Georgia Tech in 2000 for a joint appointment to the Sam Nunn School and the College of Computing. Dr. Goodman has written extensively on the international dimensions of information technology and cyber security, and has conducted research on IT in over 85 countries. Dr. William Hoehn is the Coca-Cola Eminent Practitioner in Residence at Georgia Tech. Dr. Hoehn served as a senior staff member of the Senate Armed Forces Committee, as the Principal Deputy Assistant Secretary of Defense for International Security Policy, and as a Vice-President of the Rand Corporation.

In addition to the principal faculty, fellows are frequently exposed to other Georgia Tech faculty such as Department Chair of the School of International Affairs Dr. William Long and Distinguished Professor Sam Nunn. Furthermore, the Sam Nunn Fellows are exposed to other experts in pertinent fields through lectures by outside speakers. In the fall semester, these experts included the author of *Capitalism's Achilles Heel* Raymond Baker, former Ambassador to Lebanon John Kelly, and Japanese Consul General Shoji Ogawa. The latter two talks were delivered as part of the Southeastern Roundtable on Defense (SEROD) lecture series that is open to the public. The SEROD series was founded by CISTP, and every year the Sam Nunn Security Program acts as joint hosts for several of these events that address issues at the intersection of science and national security.

The fellows also receive exposure to scientists and engineers in the policymaking field during briefings they receive while on field trips and site visits to national security installations in the Southeastern US and Washington DC. This year's two day fall field trip took the fellows to Huntsville, Alabama where they received briefings at GTRI-Huntsville, the Redstone Arsenal's Program Executive Office for Missiles and Space, and NASA's Marshall Space Flight Center. In the spring, fellows will travel to the Centers for Disease Control to hear about bioterrorism threats, and will make a week long trip to Washington DC- during which they will receive briefings and conduct site visits at the Central Intelligence Agency, Congress, the Department of Energy's National Nuclear Security Administration, Aberdeen Proving Grounds, Edgewood Arsenal, the Federal Bureau of Investigation, and the Rand Corporation.

The new grant period will draw the Sam Nunn Security Program into new and exciting territory. In addition to the core program, four new research projects have been proposed to facilitate policy advisement in key areas with which the Sam Nunn School and Georgia Tech have particular strengths. Project 1 will examine ways in which the vulnerabilities of the global information infrastructure may be mended. This project will be jointly conducted with the Sam Nunn Security Program's sister program at Carnegie Mellon

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University, and is an outgrowth of a conference held at Georgia Tech in April of 2005 that explored these issues and took the first steps toward proposing solutions. Project 2 will examine the role of information communication technologies in post-conflict societies. Particular attention will be granted to the cases of Afghanistan, Rwanda, and Mozambique. Work on this project takes advantage of internal strengths in the Sam Nunn School of International Affairs in the form of extensive experience by Dr. Goodman, Dr. Michael Best (a MacArthur funded faculty hire in the first grant period), Dr. Lyn Graybill, and Dr. Long, who, along with Sam Nunn School faculty member Peter Brecke, wrote a book on post-conflict reconciliation. Project 3 will examine ways in which the Nuclear Nonproliferation Treaty (NPT) might be reformed to increase its verifiability without causing a mass exodus from the regime. Dr. Endicott's extensive experience with track II diplomacy (i.e. non-governmentally advanced negotiations) will be paired with the technical expertise of Dr. Nolan Hertel, a Senior Sam Nunn Fellow and Professor of Nuclear and Radiological Engineering at Georgia Tech. This controversial issue is at the heart of the modern arms control debate, and many are asking whether the NPT can survive implementation of the revisions necessary to increase verification of safeguards against diversion of material or technology to covert nuclear weapons programs. Project 4 will continue to advance the work initiated during the 2004 Sam Nunn Forum on advancing public-private partnerships in homeland security and local preparedness. This project, directed by Dr. William Hoehn, will examine how communications interoperability, emergency response planning, response operations, and training could benefit from active participation of both business and government.

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