Ivan Allen College stands at the union of the liberal arts, science, and technology, building on its faculty, its students, and its programs. Its efforts are undertaken in pursuit of a mission to provide high quality education in the liberal arts; to conduct research that promotes the understanding of people, societies, and their interactions with science and technology; and to perform service to the university, to the community, and to the professions represented by the College’s faculty. The combination of these efforts has resulted in continuing growth in both the quantity and quality of IAC curricular programs, research accomplishments, and national and international visibility.

The successes achieved by IAC and its Schools during the past year occurred largely because of the College’s ability to take advantage of its particular strengths and advantages. Specifically, IAC has progressed by differentiating its educational and research programs from those offered in more traditional programs in other universities. In particular, by building on core disciplines in the social sciences and humanities while integrating with the sciences, engineering, and computing, IAC has strategically leveraged its limited resources. The result has been a largely intangible but nevertheless very real culture within IAC of dynamic and creative optimism. The specific descriptions that follow describe a trajectory, not a set of static accomplishments.

Ivan Allen College consists of six degree-granting Schools, in addition to ROTC units representing the Air Force, Army, and Navy:

- School of Economics (ECON)
- School of History, Technology, and Society (HTS)
- Sam Nunn School of International Affairs (INTA)
- School of Literature, Communication, and Culture (LCC)
- School of Modern Languages (MODLANG)
- School of Public Policy (PUBP)

In this annual report we summarize the College’s accomplishments during FY 2002-2003. Each of the IAC Schools also has prepared an annual report that describes in more detail the successes of the past year. Together, these reports portray a College with barely more than a dozen years of history that has established itself as essential part of Georgia Tech’s determination to “define the technological university of the twenty-first century.”

### SUMMARY OF MAJOR ACCOMPLISHMENTS

External recognition of IAC and its programs continued, in many forms. Two examples: a report from the National Academy of Sciences referred to the LCC program as “one of the premier programs in electronic literature,” and the 2004 Kaplan’s *Guide to Colleges* referred to IAC as “the fabulous, best-kept secret at Georgia Tech.”

- IAC faculty published ten books, more than 120 refereed scholarly articles, and numerous book chapters and reviews. They gave more than 200 presentations at professional meetings and many invited or keynote addresses, as well as presentations and performances in digital and performing arts at sites around the US and abroad.

- An audience of 1,155 filled the Ferst Center theater for the first annual Bourne Poetry Reading, featuring US Poet Laureate Billy Collins, Pulitzer Prize winner Rita Dove, National Book Award winner Lucille Clifton, and Georgia Tech’s McEver chair in poetry, Stephen Dobyns.
The amount of sponsored new research awards for IAC faculty increased to $6,174,276 in FY 2003.

The School of Modern Languages, working with the Colleges of Engineering and Computing, the Coop Division, and the Office of International Education, introduced a new international internship program at the Technical University of Munich with support from Siemens, Inc., which provides employment experience in Germany.

The Sam Nunn School of International Affairs was one of a small number of elite programs to receive a $1.3 million award from the MacArthur Foundation to strengthen scientific and technical input on international security issues; the award will support a Sam Nunn Security Fellowship program for scientist and engineers from the mid-career, post-doctoral, and pre-doctoral levels.

The international reputation of the School of Public Policy was demonstrated by its research affiliations with institutions on five continents: South America (CSIC, Uruguay), Europe (Ecole de Mines, Paris; CyberCities, Italy; Fraunhofer Institute/ISIR, Germany; Univ. of Twente, Netherlands), Africa (Univ. of Stellenbosch, South Africa), Australia (Universities of Wollongong and Western Sydney), and Asia (National Institute of Science and Technology Policy, Japan; Prime Minister’s Department, Malaysia).

The third annual Founder’s Day event in Spring 2003 was celebrated with the awarding of the Ivan Allen, Jr. Prize for Progress and Service to political columnist and author Molly Ivins and a panel discussion on the history of women faculty at Georgia Tech.

The School of Economics played a major role in the continuing operations of the Center for Paper Business and Industry Studies (CPBIS), sponsored by the Sloan Foundation. Five faculty worked on CPBIS sponsored projects in FY 2003, along with five undergraduate students -- and the program was directed by the Chair of the School. Economics also initiated a new undergraduate degree program with the School of Modern Languages in Global Economics and Modern Language.

Faculty in the School of History, Technology, and Society continued their high level of scholarly output, with half of the full-time faculty publishing an article or chapter in a scholarly book. Other IAC Schools saw high levels of output as well; for example, Public Policy faculty published 56 refereed journal articles in FY 2003.

---

**PEOPLE AND PROGRAMS**

Ivan Allen College has approximately 130 full-time tenure track faculty. In recent years it has enhanced its roster with hires from many of the top universities in the nation. In the 2002-2003 academic year, ten new tenure-track faculty joined the College:

- Diana Hicks, Professor and Chair, PUBP (University of Sussex): science and technology policy
- Hugh Gusterson, Associate Professor, PUBP and HTS (Stanford University): science studies
- Narin Hassan, Assistant Professor, LCC (University of Rochester): science, technology, and postcolonialism
- Edward Keene, Assistant Professor, INTA (London School of Economics): international relations, African and Asian politics
- Cindy Klestinec, Assistant Professor, LCC (University of Chicago): Renaissance literature and medicine
- Allison MacFarlane, Associate Professor, INTA and School of Earth and Atmospheric Sciences (MIT): science, technology, and security studies
- Sylvia Maier, Assistant Professor, INTA (University of Southern California): international law and human rights
- Minjae Song, Assistant Professor, ECON (Harvard University): industrial organization and applied econometrics
- Colleen Terrell, Assistant Professor, LCC (University of Pennsylvania): American literature and culture
- Angela Dalle Vacche, Assistant Professor, LCC (University of Iowa): film studies

Current faculty continued to be recognized for their outstanding work. Among them:
• Diane Gromala (LCC) was elected to the International Academy of Digital Arts and Sciences.
• Eleanor Alexander's (HTS) *Lyrics of Sunshine and Shadows: The Tragic Courtship and Marriage of Paul Laurence Dunbar and Alice Moore Dunbar* (New York University Press, 2001) was featured on the cover of the New York Times Book Review, and was deemed one of the most notable books of the year.
• Willie Pearson, Jr., (HTS) was recognized for his service as chair of the National Science Foundation’s Committee on Equal Opportunities in Science and Engineering.
• John Krige (HTS) received the prestigious Charles A. Lindbergh Chair and Aerospace History, National Air and Space Museum, for AY 2004-05.
• Dean Sue Rosser (HTS) was named American Association for Women in Science (AWIS) Fellow for leadership for women and science and was elected AAAS Fellow for distinguished leadership in research on the theoretical and applied issues for women in science and for service to the science education community. She also received the 2003 WEPAN Betty Vetter Award for Research.
• Molly Cochran (INTA) received a Council on Foreign Relations International Affairs Fellowship to work for a year as Research Fellow and Lobbyist for Human Rights Watch, London.
• John Endicott (INTA) was invited to serve on the Task Force on U.S. Korea Policy of the Center for International Policy.
• Doug Davis, a Brittain Fellow in LCC, received the prestigious Nicholas Mullins Award for outstanding scholarship in the field of Science and Technology Studies, from the Society for Social Studies of Science for his paper "One Hundred Million Hydrogen Bombs: Total War in the Fossil Record."
• Alice Bullard (HTS) was one of 72 scholars (out of more than one thousand applicants) to receive a fellowship from the American Council of Learned Societies for her work “Mending a broken mirror: from colonial to transcultural psychiatry in French North and West Africa.”

New Programs

The School of Literature, Communication, and Culture was given approval to begin a Ph.D. program in Digital Media – the first such program in the US. The School of Modern Languages and the School of Economics developed a joint undergraduate degree program in Global Economics and Modern Languages (GEML), which was approved by the BOR in Spring 2003. The Board also approved a renaming of the graduate program in HTS from “History of Technology” to *History and Sociology of Technology and Science*; the change recognizes the extension of the doctoral program to include sociology and the study of the sciences. The School of Economics and the Sam Nunn School of International Affairs continued their efforts to obtain approval for a new undergraduate degree in International Affairs and Economics.

RESEARCH

Fiscal Year 2003 was a record-setting year for IAC faculty in the financial support their research received. A total of $6,174,276 was awarded in research grants and contracts, with faculty from all IAC units obtaining external support. The strength of the IAC’s research programs in diverse areas of the liberal arts was demonstrated by the range of sponsors of new awards in 2002-2003, including the National Science Foundation, the MacArthur Foundation, EPA, Kellogg Foundation, Georgia Department of Transportation, National Endowment for the Humanities, Rockefeller Foundation, the Carnegie Corporation, Council on Foreign Relations, and the American Council of Learned Societies. Leading the IAC was the School of Public Policy is $4.3 million in sponsored new awards, with the Sam Nunn School of International Affairs receiving $1.4 million.

These grants reflected and reinforced a growing web of interconnections between IAC and other parts of the Georgia Tech community, as well as other universities and research institutes. Collaborators included faculty from many
schools within the College of Engineering, the College of Sciences, and the College of Computing, as well as researchers at Resources for the Futures, Economic Development Institute, and the National Center for Supercomputer Applications.

Among the many notable grants were

- Gordon Kingsley (PUBP), Georgia Department of Transportation, for a study of the strategic management of contracts, $1,958,591.
- Barry Bozeman (PUBP), National Science Foundation, "Developing Capacity-Based Evaluation Approaches to University Science Centers Programs: Comparing Interdisciplinary Centers and Traditional Academic Units," $693,886
- Peter McGuire (LCC) and Judith Norbeck (ISYE), NSF, pilot grant to study “Technical Communication within the Engineering Curriculum,” $75,000.
- Philip McKnight (MODLANGS) and John Endicott (INTA), Korean Foundation grant to support Korean language instruction, $60,000.
- Mary Frank Fox (HTS), NSF ADVANCE project, “Institutional Transformation,” $206,000.
- Barry Bozeman and Juan Rogers (PUBP), NSF, “Developing Capacity-Based Evaluation Approaches to University Science Programs: Comparing Interdisciplinary Centers and Traditional Academic Units,” $692,891.

Ivan Allen College faculty published sixteen books in 2002-2003

- Philip Auslander (LCC), *Performance: Critical Concepts in Literary and Cultural Studies*.
- Barbara Blackbourn-Jansma (MODLANGS), *Le français pour l'ingénieur*.
- Kirk Bowman (INTA), *Militarization, Democracy, and Development: The Perils of Praetorianism in Latin America*.
- Carol Colatrella (INTA), *Literature and Moral Reform: Melville and the Discipline of Reading*.
- Vicki Gallaway and Angela Labarca (MODLANGS), *Visión y vos* 3rd Edition.
- William Long and Peter Brecke (INTA), *War and Reconciliation: Reason and Emotion in Conflict Resolution*.
- Phil McKnight (MODLANGS), *Genie-Satire und Frauentziehung. Zwei Studien und zwei literarische Dokumente* (co-author).
- Lisa Yazsek (LCC), *The Self-Wired: Technology and Subjectivity in Contemporary Narrative*.

IAC faculty also published more than 120 articles in refereed scholarly journals, along with numerous book chapters and reviews. They gave more than 200 presentations at professional conferences in the US and on nearly every continent; many of these were invited lectures or keynote addresses. IAC faculty with specializations in the arts performed their work in places such as New York and San Francisco, and abroad in Athens and England. An important part of the mission of Ivan Allen College is for the research output of its faculty to have a direct and immediate impact on decision makers. These aspects of IAC’s research productivity are described in the section below on “Service to the Community.”
The international impact of IAC continued to grow as a result of research and educational collaborations with institutions around the world. LCC developed ties with Blekinge Tekniksa Högskola (Karlskrona, Sweden), the European University in St. Petersburg Russia, and the Newberry Library (Chicago). As described above (“Highlights”), the School of Public Policy has affiliations with universities or research institutes on every continent; for example, the Georgia Tech Technology Policy and Assessment Center (TPAC) in the School of Public Policy was selected as lead partner in a new research and policy study on “Knowledge Content in Key Economic Sectors in Malaysia,” sponsored by the United Nations Development Programme (UNDP) in conjunction with the Economic Planning Unit (EPU), Prime Minister's Department, Government of Malaysia.

Students and Research

IAC graduate students also achieved notable research successes. For example,

- Pam Hassebroek (PUBP) co-authored an article with Sy Goodman (INTA) and two other graduate students on “International Coordination to Increase the Security of Critical Network Infrastructures,” published in the Journal of Information Warfare. They first presented their work at the International Telecommunications Union (ITU) Conference on information security, Seoul Korea.
- HTS graduate students received grants or fellowships from the Society for the History of Technology, the Centre for the Study of the United States (University of Toronto), the Hagley Museum and Library, California Institute of Technology, the American Institute of Indian studies, the National Cancer Institute, the Finnish Cultural Foundation, Smith College, and Winterthur. They presented their research at numerous meetings and published in journals such as History and Technology.
- Paul Counts (PUBP) and Alberto DiMinin (MSPP '02) made a presentation on "Economic Growth Models and High Tech Potential," drawing on their joint MSPP thesis research on technology assets and development in Savannah and Pisa, at the Regional Studies Association conference on Reinventing Regions in the Global Economy, Pisa, Italy.
- Students in LCC’s MS in Information Design and Technology interned at Maxis Software with Will Wright, the creator of Sim City and The Sims, while other IDT students interned at Electronic Arts, LucasArts, the National Academy of Television Arts and Sciences, GPTV and at PBS in Washington, and (by request) at the Museum of Modern Art in New York City.

IAC faculty and undergraduate students enthusiastically embraced the new campus initiative on undergraduate research. At least 14 students participated in the President’s Undergraduate Research Award program in FY 2003. Reflecting the integration of IAC into programs across campus, many of the IAC PURA awards were provided to students from other GT colleges, while IAC students worked with faculty in other colleges on other projects.

A number of undergraduates saw their research efforts recognized professionally. For example, Whitney Setzer (INTA) was selected as a Center for the Study of the Presidency Fellow, while Ashley Jennings (STAC) worked with Prof. Kirk Bowman (INTA) on two journal articles on the correlates of post-materialist environmental values utilizing data from a survey conducted and constructed by undergraduate students in Costa Rica during study abroad 2002. IAC undergraduates also interacted with the world beyond Georgia Tech by attending scholarly conferences in fields related to PUBP, HTS, INTA, and STAC. They interned with a wide range of organizations, including numerous law firms, CNN, Capital Impact, the Cartoon Network, Georgia Electric Membership Corporation, and the US Secret Service.

The Pi Alpha Delta pre-law society was recognized as the best professional pre-law society in the nation (in only its second year of operation). The success of the pre-law program was recognized by the Wall Street Journal, which ranked Georgia Tech as 6th among public universities as a feeder university for prestigious law schools.
EDUCATION

In Fall 2002 there were 742 undergraduate students majoring in IAC degree programs, a nine percent increase over the preceding year and a forty percent increase in only three years. As designed, the number of graduate students held roughly steady at 218 (160 M.S., 58 Ph.D.). The number of credit hours taught by IAC grew to 74,830 in FY 2003, an increase of seven percent from the previous year and an increase of nearly twenty percent in the past three years.

New courses and new teaching techniques were introduced in all IAC Schools in FY 2003. As the Schools’ annual assessment updates describe, in many cases existing courses were revised based on student feedback and other measures of teaching effectiveness.

Two examples of new courses involved collaborations with the School of Civil and Environmental Engineering. First, under the rubric of the McEver Program in Engineering and the Liberal Arts, a course in "Designing Progress, Defining Progress" brought IAC and civil engineering majors together to explore how design processes in engineering, public policy, architecture, and the arts promote progress. Another course, on "Natural Gas Deregulation Policy in Georgia," was taught as an undergraduate and graduate seminar in Public Policy (with President Wayne Clough), taking advantage of President Clough’s expertise on the topic by examining the state policy initiative in extensive detail, including discussions with key decision makers from state government and industry.

Other new courses in 2002-2003 included Technology Law, Policy & Management; Japanese Society and Politics (taught in Japanese); Issues in China Studies (taught in Chinese); and Cuba at the Crossroads. The School of Modern Languages instituted a new course in Arabic, and saw a continuing increase in enrollments (and requests for overloads) in nearly every language taught by the School. The quality of the Modern Languages faculty was reflected in Nora Cottille-Foley’s receipt of the BP-Amoco Junior Faculty Teaching Award.

The educational activities of IAC faculty extended beyond the borders of the campus and the US. The Blekinge Tekniksa Högskola, a new Swedish institution established to build curricula that bring together disciplines in the natural and human sciences identified LCC’s undergraduate and graduate programs as a model for curriculum development, with the Swedish Ministry of Education inviting six of the School’s faculty for extended visits. Philip Shapira (PUBP) conducted R&D evaluation programs at the University of Twente, Enschede, The Netherlands, and with the Ministry of Education, Culture, Sports, Science and Technology (MEXT), Government of Japan, Tokyo. The Nunn School continued to offer and develop summer study abroad programs in Costa Rica, Brussels, China, and Cuba, and the School of Modern Languages continued its LBAT summer immersion programs in China, France, Germany, Japan, Mexico, and Spain.

SERVICE

All Georgia Tech faculty have a fundamental responsibility to provide service to their units, the Institute, the community (from local to international), and to their professions.

Institute

Jay Telotte (LCC) was elected to the Georgia Tech Executive Board, while David Shook (MODLANGS) served on the Student Grievance and Appeal Committee and Gus Giebelhaus (HTS) served on the Student Honor Committee. Faculty served as advisors for student organizations (e.g., Hans Klein for WREK radio) or as faculty mentors for students (Carol Colatrella, LCC and Monica Gaughan, PUBP, Women, Science, and Technology Program). Bob Kirkman (PUBP) worked with the Office of Student Integrity on the development of a campus-wide seminar on Ethics. Richard Barke (PUBP and Associate Dean), served on the SACS Accreditation Council, on the GT Institutional Review Board, and the Student Regulations Committee.
Community

Much of the research output of IAC faculty was designed to have a direct and immediate impact on decision makers. For example, in the School of Public Policy, Ann Bostrom was on the Executive Committee, Board of Scientific Counselors, U.S. EPA and on a National Research Council Committee on the transportation of nuclear waste. Susan Cozzens served on the National Academy of Sciences committee on biotechnology and a panel on the “Ethical, Legal, and Social Implications of the Human Genome Project,” National Institutes of Health. Hans Klein chaired Computer Professionals for Social Responsibility, while Bryan Norton was on the Board of Governors of the Society for Conservation Biology.

HTS faculty also served on national committees and task forces. Dean Sue Rosser served on the Steering Committee for the National Academy of Engineering’s Committee on the Engineer of 2020, the Higher Education Panel for Building Engineering and Science Talent, and chaired the NSF EHR CAREER Awards Panel, among other service roles. HTS Chair Willie Pearson was a member of the National Academy of Sciences Committee on Women in Science and Engineering and many other advisory boards and panels; he also chaired the AAAS Committee on Science and Engineering Public Policy, was vice chair of the NSF Committee on Equal Opportunities in Science and Engineering.

In the School of Economics, Danny Boston served on the Atlanta Regional Commission’s Technical Advisory Group for long term forecasts, while Willie Belton was a board member for the Salvation Army of Atlanta. Usha Nair-Reichert worked with a group that promotes economic development and provides medical services to rural Haiti.

Several members of the INTA faculty served on the Council on Foreign Relations (Molly Cochran, William Hoehn, William Long), while others served as advisors to organizations such as the Canadian Immigration and Refugee Board (Fei-Ling Wang), the Swiss Center for Democratic Control of the Armed Forces (Robert Kennedy), and the Russian-American Nuclear Security Advisory Council (William Hoehn). INTA professor Sy Goodman provided advice to numerous national governments on information security issues, and John Endicott continued to work with many governments on the establishment of a nuclear-free zone in northeast Asia.

Professions

Dozens of IAC faculty served as editors, editorial board members, and reviewers for scholarly publications. For example, a dozen members of the HTS faculty served on editorial boards of academic journals. IAC faculty served as panel members for NSF on topics such as "Multidisciplinary Research into Critical Infrastructure and Related Systems - Mitigation, Preparedness, Response and Recovery Regarding Disasters and Other Extreme Events." They also contributed to their academic disciplines, such as Fei-Ling Wang’s administration of the Global Forum of Chinese Political Scientists with scholars from six nations.