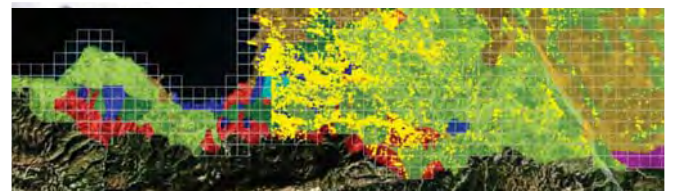
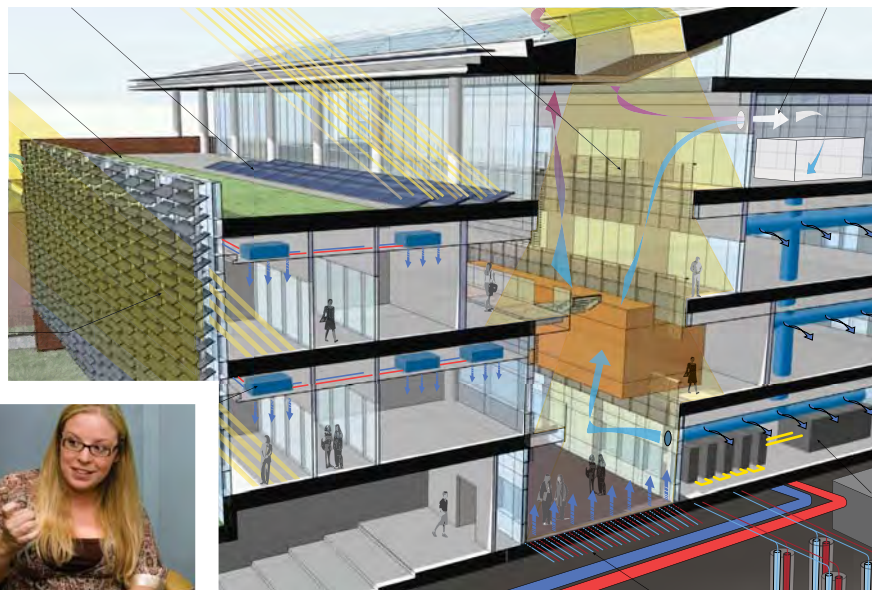




RESEARCH at RIT

Sponsored Research Services

2011 Annual Report to the Institute



R · I · T



A Review of Sponsored Research IN FISCAL YEAR 2011

During fiscal year 2011, RIT continued to enhance its research programming in key focus areas, including imaging science, sustainability and biotechnology, while also increasing national and international recognition for its efforts. Highlights include receiving a \$13.1 million grant from the National Institute of Standards and Technology for construction of the Golisano Institute for Sustainability facility.

Overall, RIT received \$52.5 million in new research awards for the fiscal year ending June 30, 2011, including grants and contracts purposed for research, instruction, outreach and construction; direct federal support for research at the National Technical Institute for the Deaf; and gifts in support of research.

RIT is committed to enhancing faculty participation in research to both expand opportunities for funding and to properly address the challenging economic and budgetary environment. In FY 2011, 257 principal investigators submitted a record total of 653 new proposals.

New Research Awards

RIT's total for new research awards was down slightly from the last fiscal year, due in large part to the continued unfavorable economic climate. However, the university is increasingly being invited to participate in high-level peer-reviewed funding programs and competitive grant initiatives, due to the growing reputation of our faculty:

- Nabil Nasr received a \$13.1 million grant from the National Institute of Standards and Technology supporting construction of a new research building for the Golisano Institute for Sustainability. It was the largest construction grant awarded by NIST in 2011 and the largest competitive federal award in RIT's history.
- Mechanical engineering professor Satish Kandlikar received a \$1.4 million grant from the U.S. Department of Energy to continue research in improved fuel cell performance, in partnership with General Motors.
- Industrial engineering professor Denis Cormier received a \$446,000 grant from the U.S. Department of Energy in support of nano-design research being conducted through the multi-university Energy Frontiers Research Center in nano-structures design for energy systems led by the University of South Carolina.

- NTID's Northeast Technical Assistance Center for deaf education, directed by associate dean Dianne Brooks, received \$2 million in continued funding from the U.S. Department of Education.
- Manuela Campanelli, director of the Center for Computational Relativity and Gravitation, was awarded \$646,000 by the National Science Foundation to advance pioneering methods for observing black hole properties.

RIT received \$38.3 million in new funding from 115 federal sponsors last year, \$4.7 million from various New York state agencies and \$7.0 million in research sponsorship from corporate partners.

In addition to the construction award from NIST, RIT received increased funding support from federal defense and intelligence agencies (from \$5.3 million in FY 10 to \$6.4 million in FY 11) and the US Department of Education (from \$4.8 million in FY 10 to \$6.4 million in FY 11).

Grant Writers' Boot Camp Seed Funding Awards

The annual Grant Writers' Boot Camp is a two-day immersion workshop in persuasive writing and peer review, supported by the Wallace Center and the Vice President for Research. Early career researchers from across RIT come prepared with proposals for competitive seed funding, which are revised and peer reviewed over the course of the program. The central purpose of the seed funding award is to enable research that leads to external funding. This year's seed funding recipients are:

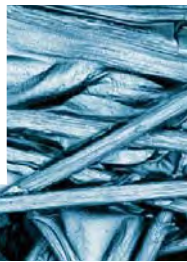
Christiaan Richter, chemical engineering, Titanate Nanotubes for Rapid Charge Automotive Batteries

Deidre Schlehofer, American sign language and interpreting education, Perceptions of Health Practices in an Underserved Community: Deaf and Hard-of-Hearing Female College Students at NTID/RIT

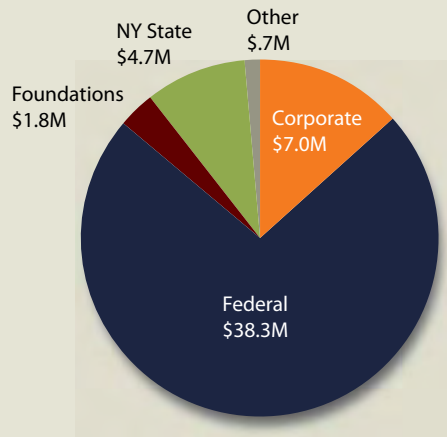
Jinwei Gu, imaging science, Material Categorization with Discriminative Lighting

Lauren Hall Lilly, political science, Between One and Many: The Political Role of the Family

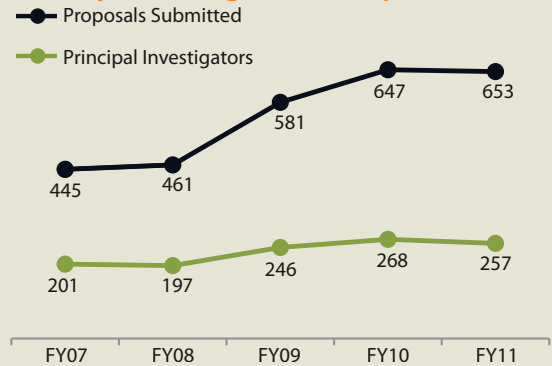
Cecilia Ovesdotter Alm, English, A Pilot Study on Tackling Mental Wellness through Computational Natural Language Modeling



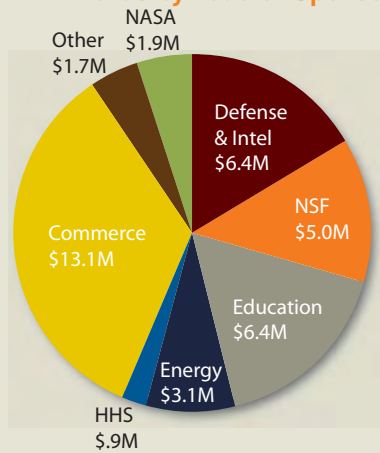
FY11 Awards by Sponsor Type



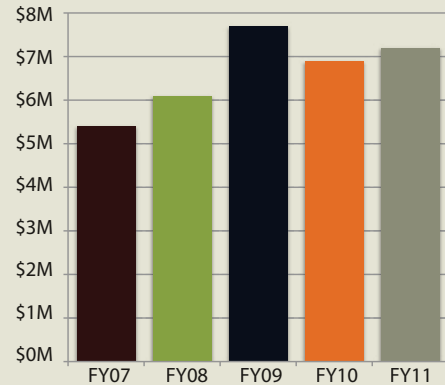
Principal Investigators & Proposal Submitted



FY11 Awards by Federal Sponsor

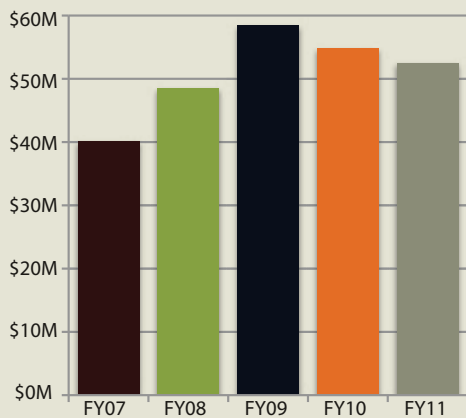


Facilities and Administration Costs Recovered



Sponsored projects return funds to the university each year to cover indirect costs incurred in the conduct of research. These include expenses related to research facilities and administration.

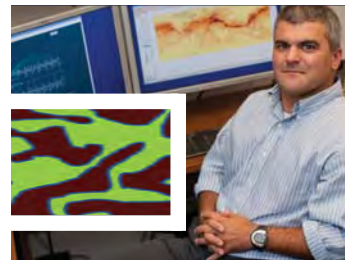
Value of Research Awards



FY11 Awards by College

College of Applied Science and Technology	\$ 1,084,256
B. Thomas Golisano College of Computing & Information Sciences	\$ 1,582,441
College of Imaging Arts and Sciences	\$ 3,185,575
College of Liberal Arts	\$ 1,166,960
E. Philip Saunders College of Business	\$ 164,900
Kate Gleason College of Engineering	\$ 6,168,654
College of Science	\$ 8,420,414
Golisano Institute for Sustainability	\$19,089,002
National Technical Institute for the Deaf	\$ 8,501,304
University-Wide Units*	\$ 3,141,837

*Includes Academic Affairs, Student Affairs, Government and Community Relations, and Enrollment Management and Career Services.



Research Expenditures

Sponsored research supports salaries and benefits for participating RIT faculty and staff, salaries and tuition for students, equipment and supplies, research-related travel, and the facilities and administrative costs associated with research.

The returned facilities and administrative costs are distributed to central administration, colleges and divisions, research centers, principal investigators and the Office of the Vice President for Research. In FY 11, the OVPR used these funds to support research through faculty start up packages, bridge funding, required cost share matching and seed funding.

Each year, RIT reports research expenditures on research and development to the National Science Foundation. These are limited to certain functions and may not include expenditures on sponsored activities including education, outreach and other services. The NSF survey results show that RIT has steadily increased research and development work over the last four years. RIT has also gained in “market share” of research funding and has moved up in NSF’s rankings against other universities. RIT increased expenditures by 33% for the last fiscal year reported. This reflects a growing critical mass of faculty, staff, and students actively engaged in the research enterprise.

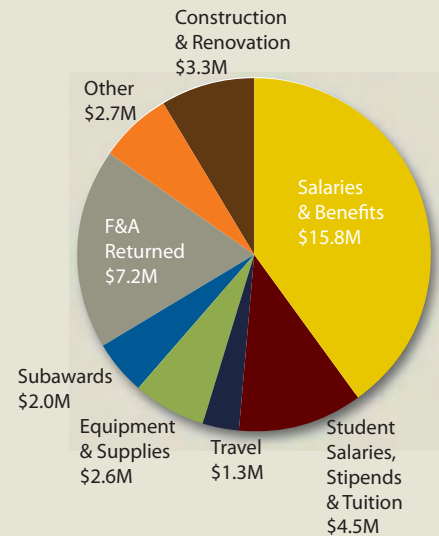
About Sponsored Research Services



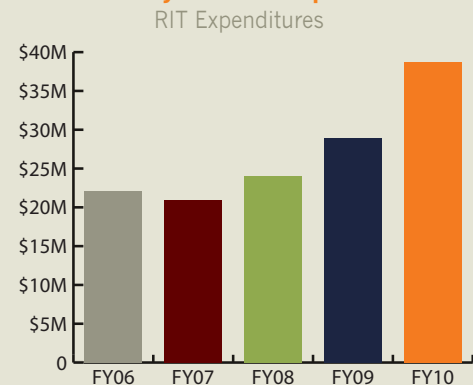
David M. Bond, Director
Sponsored Research Services

A division of the Office of the Vice President for Research, Sponsored Research Services supports and promotes the expertise of the RIT community by facilitating all aspects of externally funded grants and contracts and by providing resources to assist faculty with the administration of sponsored research.

FY11 Research Expenditures by Category



NSF Survey of R&D Expenditures



Ranking of R&D Expenditures

