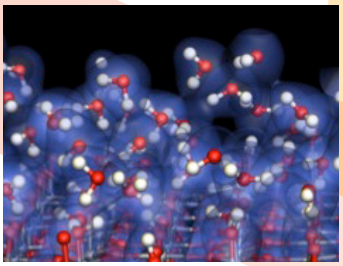
The Power of SUNY Centers for Advanced Technology

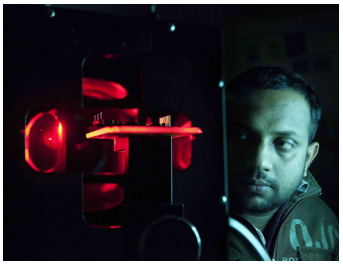
SUNY RF
The Research Foundation for
The State University of New York

Centers for Advanced Technology (CAT) support university-industry collaborative research as well as the development of commercially viable technologies. New York State established the CAT program in 1983 to help businesses create and retain jobs, increase productivity, and boost profitability through collaborative research activities. SUNY campuses host six of the 15 CAT programs.



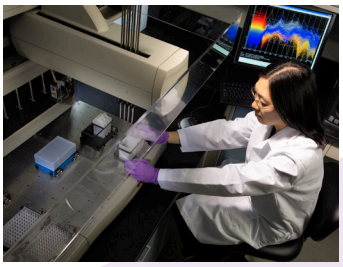
Center for Advanced Ceramic Technology
Alfred University – NYS College of Ceramics

Ceramics play a key role in improving performance and cost effectiveness in a wide range of industries. The Center for Advanced Ceramic Technology (CACT) at the New York State College of Ceramics at Alfred University is home to some of the world's foremost experts in the formulation, modeling, processing and characterization of ceramic and glass materials. The mission of the CACT is to facilitate academic/industrial collaboration, particularly with New York companies. These collaborations can take many forms, including troubleshooting manufacturing processes, analytical testing services, sponsored research and education. The CACT also promotes the research interests of Alfred University engineering faculty in areas such as energy, the environment and healthcare.



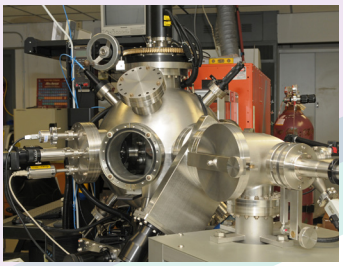
Integrated Electronics Engineering Center
Binghamton University

The Integrated Electronics Engineering Center (IEEC) at Binghamton University pursues research in electronics packaging. The center's goals are to advance the technology of packaging, increase package reliability and provide substantial economic benefit to its member companies. The IEEC has access to faculty and student expertise as well as to a wide range of equipment for assembling, stressing and analyzing all types of packaging from first level through system level.



Center for Biotechnology
Stony Brook University

The Center for Biotechnology (CFB) at Stony Brook University plays a pivotal role in the emergence of New York's bioscience industry. The CFB supports technology development, new company formation and industry growth. The center provides access to the University's faculty expertise, highly specialized research facilities, and a suite of end-to-end technology and business development services. CFB has contributed to 18 new company startups in the pharmaceutical, biotechnology and medical device industries and helped move 13 new products to the marketplace. CFB provides critical infrastructure, business development services and workforce development programs to support company growth and long-term success.



Sensor CAT
Stony Brook University

Sensor CAT research and development ranges from new materials to infrared lasers to signal processing. Core technologies include semiconductor opto-electronics, fluorescent detection technology; fiber-based sensors; superconducting electronics, and sensor networks and cyber-security. An important intellectual and economic asset to New Yorkers, the Sensor CAT has helped high-tech industry growth in many ways, in particular, by creating a number of small companies to commercialize technologies developed at SUNY.

CAT in Nanomaterials and Nanoelectronics
University at Albany

The Center for Advanced Technology in Nanomaterials and Nanoelectronics (CATN2) at the College of Nanoscale Science and Engineering (CNSE) of the University at Albany is concentrated on establishing and nurturing a nanotechnology-enabled, open innovation ecosystem that supports startups in the research and development phase; supplier growth in the pilot-prototype demonstration phase; and business attraction in the manufacturing scale-up phase, all with an eye toward catalyzing high-technology economic growth. CATN2 has a recognized focus on utilizing advanced nanofabrication capabilities to enable the commercialization of innovative nanotechnologies, including device derivatives, compound semiconductors, micro-electro-mechanical-systems (MEMS) and roll-to-roll photovoltaics, and offers unmatched technology transitioning capabilities for electronics, communications, defense, clean energy, biomedical and smart cities applications, among others, by leveraging the tools and infrastructure at CNSE's world-class Albany NanoTech Complex.

CAT in Biomedical and Bioengineering
University at Buffalo

The University at Buffalo Center for Advanced Biomedical and Bioengineering Technology (UB CAT) is fueling growth in promising technologies across the life sciences spectrum including biotechnology, biomedical informatics, diagnostics, medical devices and pharmaceuticals. The UB CAT fosters the creation of new life sciences companies and helps existing businesses expand through new or improved product lines by utilizing the research and development assets and expertise within UB.

Centers for Advanced Technology At A Glance

Center Name	SUNY Campus	Sector	Year Founded	10 yr Economic Impact
Center for Advanced Ceramic Technology	Alfred University	Materials Processing	1987	$293,718,860
Center for Biotechnology	Stony Brook	Biotechnology	1983	$472,189,925
Integrated Electronics Engineering Center	Binghamton	Electronics Packaging	1993	$162,435,354
Sensor CAT	Stony Brook	Sensors	1998	$173,841,947
Center for Nanomaterials & Nanoelectronics	Albany	Nanotechnology	1993	$1,006,351,175
Center for Advanced Technology in Biomedical & Bioengineering	Buffalo	Life Sciences	1996	$111,005,106

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