

UB **INDUSTRY**
UNIVERSITY DAY
2002



Vital Partners *Igniting Ideas*

University at Buffalo
The State University of New York



**School of Engineering
and Applied Sciences**

CO-HOSTS



WILLIAM R. GREINER

President

University at Buffalo

"UB's innovative partnerships with leading industrial institutions make for inspired combinations, fueling the growth of our Buffalo-Niagara economy and shaping a vision for future economic development. One of our most recent collaborative initiatives, the Buffalo Center of Excellence in Bioinformatics, is a case in point. Here's a perfect example of an idea that, once ignited by Governor Pataki and brought to fruition via the efforts of UB and the Buffalo business community, will dramatically change the economic landscape of our region and state.

We at UB believe strongly in partnership and collaboration – which is why we are so proud of our new Office of Science, Technology Transfer and Economic Outreach (STOR), an initiative that will ensure the future brings more of the great achievements that are possible when the intellectual energy of the university and the power of industry come together."



MARK H. KARWAN

Dean

**School of Engineering and Applied Sciences
University at Buffalo**

"As the largest and most comprehensive engineering and applied sciences school in New York State, we are pleased to be an active partner in the engine that drives our regional, state and national economies through our research and development activities and our preparation of the technical workforce. We work with people who make things work."

COOPERATING GROUPS

We thank the following cooperating groups for their support of Industry University Day 2002:

Amherst Chamber of Commerce	Health Care Industries Association
Amherst Industrial Development Agency	InfoTech Niagara
Buffalo Economic Renaissance Corporation	The New Millennium Group of Western New York, Inc.
Buffalo Niagara Enterprise	New York State Office of Science, Technology and Academic Research
Buffalo Niagara Partnership	Niagara County Industrial Development Agency
The Business Council of New York State, Inc.	UB Engineering Alumni Association
Empire State Development Corporation	
Erie County Industrial Development Agency	

We thank the following UB centers and office for providing today's displays and demonstrations:



Center for Computational Research

(716) 645-6500 www.ccr.buffalo.edu



New York State Center for Engineering Design and Industrial Innovation

(716) 645-2685, ext. 102 www.NYSCEDII.buffalo.edu

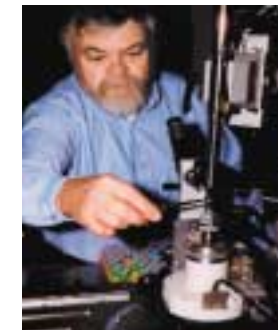


Office of Science, Technology Transfer and Economic Outreach

(716) 645-8100 www.stor.buffalo.edu

INDUSTRY UNIVERSITY DAY

Center for the Arts – Thursday, May 9, 2002 *Vital Partners: Igniting Ideas*



Successful economic development requires a commitment and energy from both the public and private sectors. Industry University Day is a way to recognize and honor business and civic leaders who have not only demonstrated outstanding leadership and support of the University at Buffalo, but also of the economic development of Western New York.

Historically hosted by UB's School of Engineering and Applied Sciences (SEAS), this year SEAS and UB are focusing on one extraordinary example of industry-university partnership – the Buffalo Center of Excellence in Bioinformatics. Truly, as the program implies, vital partners together are igniting ideas that will transform health care in the 21st century's global economy.

PROGRAM

11:00 Registration and Reception
Demonstrations and Displays

12:00 Lunch
Welcome and Introductory Remarks:

Mark H. Karwan

Dean, UB School of Engineering and Applied Sciences

William R. Greiner

President, University at Buffalo

KEYNOTE SPEAKERS AND AWARDEES

George E. Pataki

Governor, New York State

Igniting Ideas Awardee

David H. Langstaff

President and CEO, Veridian

Igniting Ideas Awardee

Michael D. Capellas

Chair and CEO, Compaq

Igniting Ideas Awardee

Demonstrations and displays are also available after the program.



IGNITING IDEAS AWARDS

Igniting Ideas awards are presented to business and civic leaders who have played key roles in strengthening the economic wealth of New York State and the Buffalo-Niagara region by partnering with the University at Buffalo to improve economic development policies and practices, create new jobs and encourage new business enterprises. These award-winning leaders are committed to industry-university partnerships that support innovative initiatives, build world-class organizations and develop a skilled workforce.

GEORGE E. PATAKI *Governor, New York State* **Igniting Ideas Awardee**

Governor George E. Pataki is being recognized today for his strong leadership in the creation of the Buffalo Center of Excellence in Bioinformatics. Leading the way with New York State's multi-million dollar commitment, Pataki helped spearhead the major collaborative effort that involved industry partners, academic institutions, and the state.

The Buffalo center is part of his vision for economic health that would develop centers of excellence across the state, harnessing the strengths of universities and the private sector to create strategically targeted high-technology centers of innovation, all aimed at spurring economic development and creating jobs.

George E. Pataki, the 53rd Governor of New York State, has shown that firm leadership and commitment to core principles can transform political and popular vision into government policies that position the Empire State for the 21st century. New York State's first Republican-Conservative

chief executive, George Pataki was elected Governor in 1994. In 1998, he was re-elected by a margin of more than 1 million votes, the largest landslide for a Republican Governor in New York history.

Governor Pataki's philosophy of governing is simple: believe in people, not bureaucracy; pursue smart ideas that work; and commit to sweeping, fundamental change that prepares New York for the challenges ahead. "I believe New York is a place where private enterprise and entrepreneurial spirit can thrive and prosper; where those who need a helping hand not only receive it, but are permitted to lift themselves to a better life," Governor Pataki says. "Above all, I believe in raising the government's standards to meet the greatness of its people."

Governor Pataki has governed with a mandate to restore hope and opportunity to a state that has lost its luster. Now, New York is the "comeback state" – by leading the nation in cutting taxes, by creating new jobs, by providing historic levels of funding for education, by taking record numbers of families off welfare, by dramatically reducing crime, by improving access to health care, and by making smart investments in New York's economy.

The Governor's \$1 billion Centers of Excellence initiative, his \$2 billion Empire Opportunity Fund, his successful Empire Zones program, his proposed doubling of the Linked Deposit Program and the Security Through Advanced Research and Technology (START) program are all prime examples of the Governor's efforts to build a new economy in New York. This new economy, in combination with cutting taxes and creating smaller, smarter government, will provide new high-tech jobs and a new prosperity for all New Yorkers.

In higher education, the State University of New York enjoys a growing national reputation as one of the best public university systems in America, and SUNY campuses are regularly rated among the best and most affordable schools. "Nothing in our future holds more promise than the vivid dreams of a child," Governor Pataki says. "And no obligation is more fundamental than the obligation to give them a clear path to those dreams."

Governor Pataki was born in Peekskill, New York, on the farm that he and his family still run. He graduated from Yale University in 1967 and from Columbia Law School in 1970, both of which he attended on academic scholarships. Before being elected Governor, George Pataki served 10 years in the State Legislature and was Mayor of his hometown.



VERIDIAN

DAVID H. LANGSTAFF *President and CEO, Veridian* **Igniting Ideas Awardee**

David H. Langstaff has been president and chief executive officer, and a director, of Veridian Corporation since 1995, and chair of the board of Veritect since its creation in 2000. He also has served as a director, executive vice president, chief operating officer and chief financial officer of Veridian predecessor companies since 1984.

Veridian is a leading provider of information-based systems, integrated solutions and services to the U.S. government. The company specializes in mission-critical national security programs, primarily for the intelligence community, the Department of Defense, law enforcement and other U.S. government agencies. Veridian's offerings include the design, development, deployment, operation and protection of vital networks, databases and other information and intelligence systems. Veritect, a wholly owned subsidiary of Veridian, is a recognized provider of managed information and network security services to primarily commercial customers.

Prior to 1984, Langstaff was based in the U.S. and Europe, where he held corporate finance positions with The Inverness Group, First Boston International and Blyth Eastman Dillon & Co. International.

Langstaff received two degrees from Harvard College, his bachelor's degree in 1977 and his MBA in 1981.

This year the Igniting Ideas Award is being presented to David Langstaff, who has long maintained a rich and rewarding relationship with the University at Buffalo and its School of Engineering and Applied Sciences. An early and major supporter of the Buffalo Center of Excellence in Bioinformatics, Langstaff and Veridian have once again displayed willingness and foresight by committing millions in support for an idea whose time has come, now and for the future.



COMPAQ

MICHAEL D. CAPELLAS *Chair and CEO, Compaq* **Igniting Ideas Awardee**

Michael D. Capellas is chair and chief executive officer of Compaq Computer Corporation, a global leader in information technology and solutions with operations in more than 100 countries.

Capellas' primary focus is on Compaq's strategy to extend its world-class technology through a broader focus on global services and solutions. Compaq is executing that strategy by providing superior customer value through innovative products, integrated into solutions and delivered globally.

Capellas was named chief executive officer of Compaq in July 1999, and chairman in September 2000. He also served as the company's chief operating officer, overseeing company-wide strategic planning and overall operations.

A seasoned information technology executive with international management experience, Capellas joined Compaq in 1998 as chief information officer. Immediately before joining Compaq, Capellas held senior positions at Oracle Corporation and SAP America.

Prior to joining SAP, Capellas was managing partner of Benchmarking Partners, a leading information management consulting firm. From 1981 to 1996, Capellas held several senior positions at Schlumberger Ltd. He began his career at Republic Steel Corporation and is a 1976 graduate of Kent State University, having earned a bachelor's degree in Business Administration.

This year the Igniting Ideas Award is being presented to Michael Capellas, who truly is committed to the concept that academic research and industry technology can be combined for the benefit of both. Capellas has positioned Compaq as a leader in the revitalization of a technologically healthy Western New York, through his company's generous financial support of the Buffalo Center of Excellence in Bioinformatics.

SEAS CORPORATE SPONSORS

We thank our corporate colleagues who have generously supported the UB School of Engineering and Applied Sciences (SEAS) and its programs, including Industry University Day – Vital Partners: Igniting Ideas.

PARTNERS



Douglas C. Bean, Managing Partner, Eric Mower and Associates

“At Eric Mower and Associates, our motto is: ‘To be truly successful, everyone must benefit.’ This fits perfectly with the many exciting initiatives underway at the University at Buffalo, such as the Buffalo Center of Excellence in Bioinformatics, that will lead to job creation, groundbreaking research and critically important commercial spin-off activity that will contribute to the resurgence of the Western New York economy. Only with cooperation between public and private organizations can we affect real change that will make a difference in the lives of those in our community. We stand ready to support the University in its initiatives and look forward to the prosperity that these partnerships will bring to Western New York.”



Hope Reed, Plant Manager, Motorola

“Industry has transitioned from the industrial society into the fast-paced information age. To remain competitive, it is imperative that the links between technology, education, industry and academia be firmly established. We are fortunate to have developed a collaborative relationship between Motorola and the University at Buffalo. The UB School of Engineering and Applied Sciences offers engineering talent that matches the needs of our electronics industry, customized graduate instruction and research laboratories. Motorola provides sponsorship to UB, work experience positions and career opportunities for students. As partners, our mutually beneficial relationship has enabled us to openly share needs and resources.”



Dennis H. Reilley, Chair and CEO, Praxair, Inc.

“UB’s goal of translating science into jobs resonates strongly with all of us at Praxair. Our company’s name is a combination of the Greek for ‘practical application’ and air, our primary raw material. Every day, our employees – many of them UB graduates – turn science and technology into practical solutions for our customers in diverse industries around the world. Since we first put down roots in Buffalo some 95 years ago, we have been an integral part of this region’s growth. Our partnership with UB is more important than ever as together we meet the scientific and economic challenges the future holds.”



Walter Stewart, Director, Global Marketing, Research and Education, SGI

“SGI has grown accustomed to finding unsurpassed creativity and innovation at the University at Buffalo. In the Buffalo Center of Excellence in Bioinformatics, in the Center for Computational Research, in the New York State Center for Engineering Design and Industrial Innovation, the University at Buffalo has shown a unique capacity to drive synergy between science and economic development. SGI is honored to co-invest with the University to ensure that the computational and visualization resources are in place to enable this profound effort to bring science to the marketplace. We eagerly await further innovations from the School of Engineering and Applied Sciences.”



Joseph P. Allen, Chair, Veridian

“Veridian develops innovative solutions for mission-critical programs involving national safety and security. Our customers come to us because of the skills, experience and expertise we bring to bear on their issues of national significance. The Vital Partners Program helps inject fresh ideas and state-of-the-art technologies to solving these issues, especially through CUBRC – the Calspan-UB Research Center. We’re proud of our more than 50-year relationship with UB, and we look forward to the next 50 years of mutual commitment and partnership.”

SUPPORTERS



ATTO Technology, Inc.



UNITED



FRIENDS

Bristol-Myers Squibb Company

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Multisorb Technologies, Inc.

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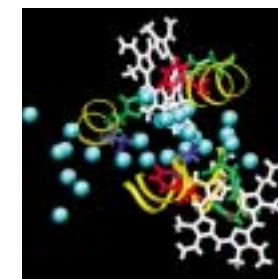
ABOUT SEAS

SEAS, with its present 3,000-plus students and its more than 19,000 graduates throughout the world, is SUNY’s largest and most comprehensive engineering and applied sciences school, offering undergraduate and graduate degrees in computer science and the engineering fields – aerospace, chemical, civil, computer, electrical, environmental, industrial and mechanical.

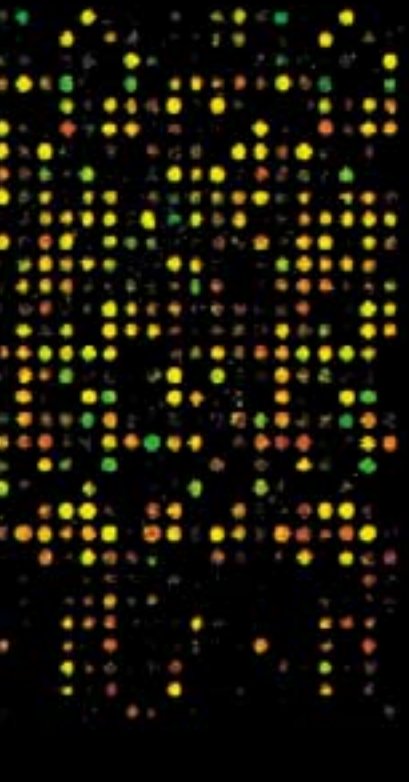
Valuing disciplinary and interdisciplinary research, SEAS’ outstanding faculty and students from our six departments conduct a \$20 million research program annually through individual and research center efforts with industrial partners and government agencies. In preparing tomorrow’s technological workforce, SEAS blends classroom and laboratory education with the practical experience gained through co-ops, internships and summer employment offered by industrial colleagues.

www.eng.buffalo.edu

(716) 645-2771



BUFFALO CENTER OF EXCELLENCE IN BIOINFORMATICS



The University at Buffalo is leading the effort to build a 21st century economy in Western New York based on technology transfer from UB and its academic partners, the Roswell Park Cancer Institute and the Hauptman-Woodward Medical Research Institute. The keystone of this effort is the Buffalo Center of Excellence in Bioinformatics, which will transform cutting-edge biological discoveries to advance science, health care and product development in the biotechnology and information technology industries.

UB and its academic partners would like to recognize and thank some critical donors to the Buffalo Center of Excellence in Bioinformatics, including the following founding corporate and research partners:

Alfred P. Sloan Foundation	InforMax
Amersham Pharmacia Biotech	Invitrogen Corporation
AT&T	Omnipharm
Biopharma Ireland	Pfizer Pharmaceutical
Bristol-Myers Squibb Company	Q-Chem
Buffalo Business Community	SGI
Compaq	Stryker Communications
Dell Computer Corporation	Sun Microsystems Inc.
EMC ²	Veridian
General Electric	Wyeth Lederle
Human Genome Sciences, Inc.	Zeptomatrix
Immco	

The federal government has also supported the project with a \$3.1 million commitment.

The Buffalo Center of Excellence in Bioinformatics will build upon the strong ties forged between researchers and industry partners. It will merge high-end technology, including supercomputing and visualization, with expertise in genomics, proteomics and bioimaging, to enable major contributions in science and health care. Our ultimate aim is to produce new jobs in Western New York.

www.bioinformatics.buffalo.edu

(716) 645-6500

ABOUT UB

The University at Buffalo is New York's premier public center for graduate and professional education, and the state's largest and most comprehensive public university. Founded in 1846 as a private institution and merged with the State University of New York in 1962, UB is a member of the prestigious Association of American Universities and stands in the first rank among the nation's research-intensive public universities.



University at Buffalo
The State University of New York

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