

NJIT



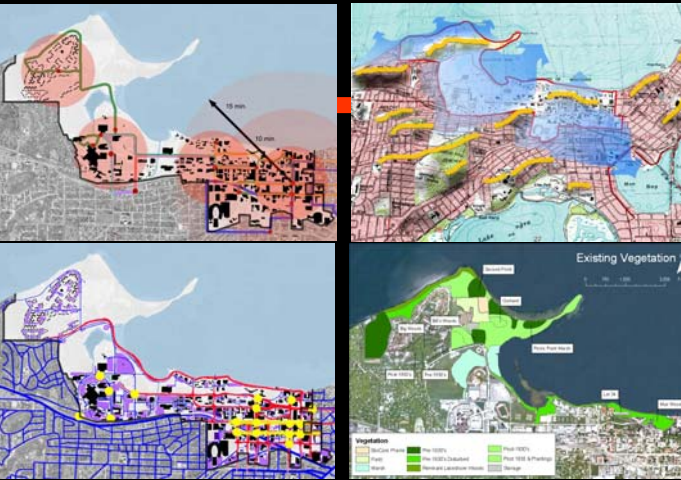
New Jersey's Science &
Technology University

THE EDGE IN KNOWLEDGE

Process

Observations

2 months



Principles & Concept

1 month



Final Plan

3 months



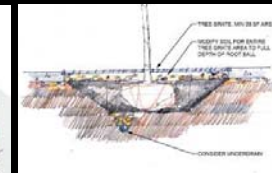
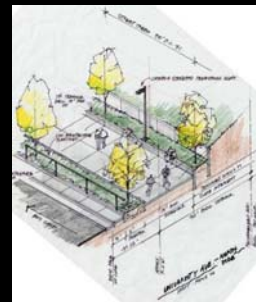
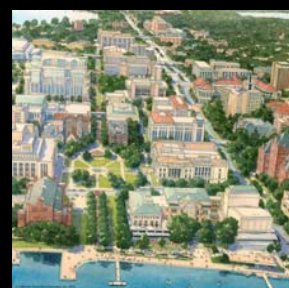
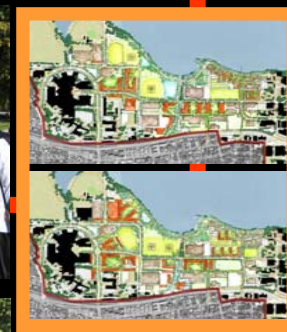
Design Guidelines

2 months

		BUILDING TYPOLOGY					
		TRADITIONAL COLLEGIATE			URBAN COLLEGIATE		
		RESIDENTIAL	CLASSROOM/OFF	RESEARCH	RESIDENTIAL	CLASSROOM	RESEARCH
IMAGING PLAN	PLAN						
	FACADE						
SECTION	GROUND PLANE						
	SECTION						
ASPIRE	SECTION						

Precinct Studies

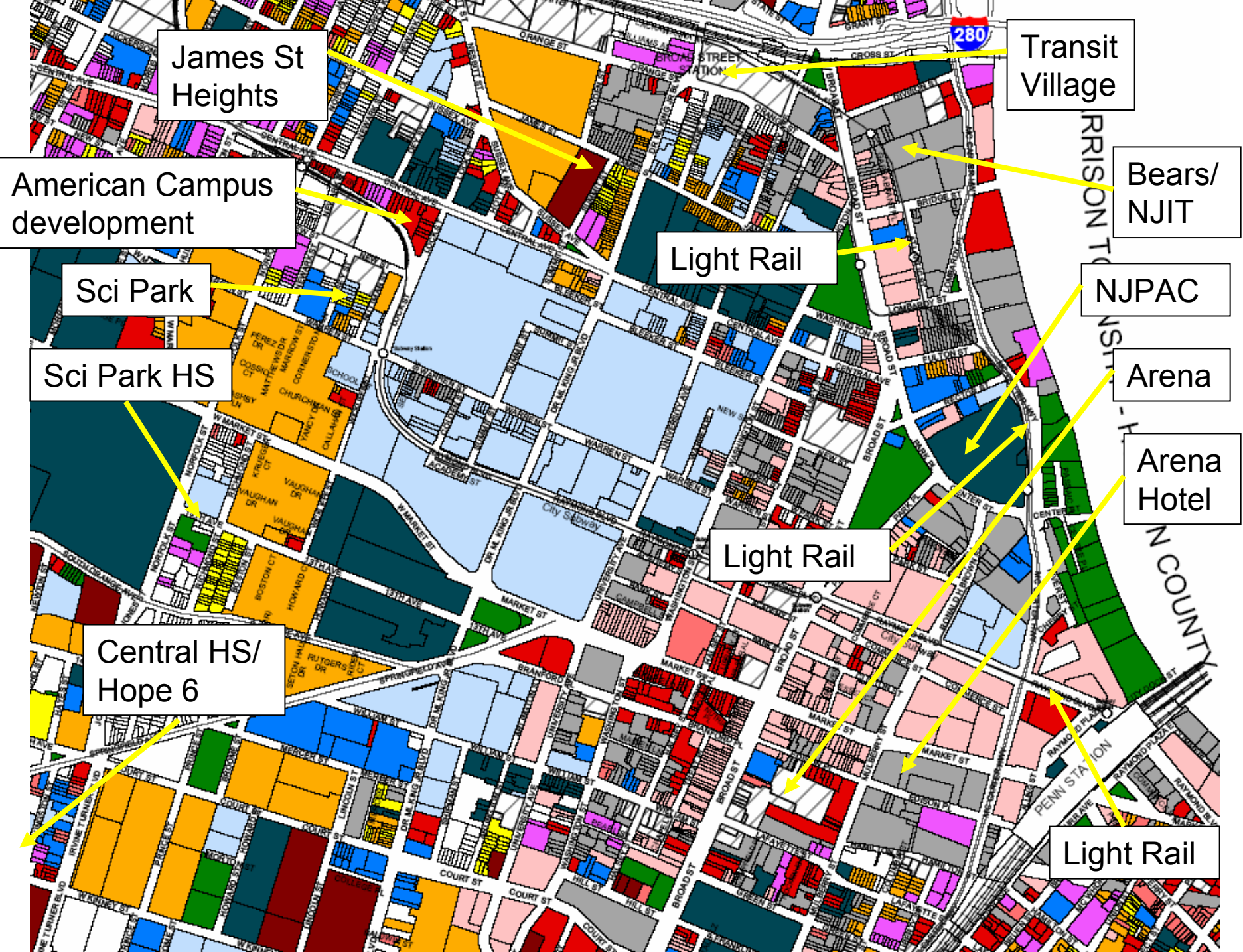
1 month





New Building Sites

Acquisition



James St Heights

Transit Village

American Campus development

Bears/ NJIT

Light Rail

NJPAC

Sci Park

Arena

Sci Park HS

Arena Hotel

Light Rail

Central HS/ Hope 6

Light Rail

280

HARRISON TOWNSHIP
PENNSYLVANIA
MIDDLEBURY
NORTH HAVEN
NORTH COUNTY

BROAD STREET STATION

PENN STATION

RAYMOND PLAZA

ORANGE ST

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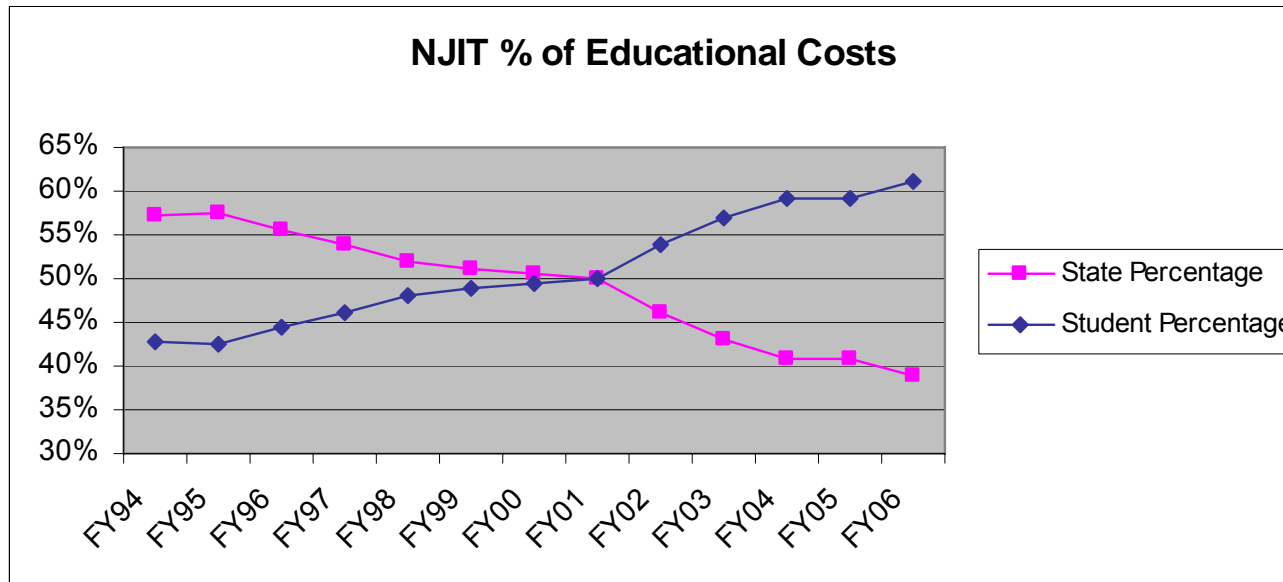
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Enrollment:

1996 2005 $\Delta\%$
 7,865 8,058 2.5%

Enrollment/Years	Δ 1996 to 2001	Δ 2001 to 2005
Beginning Enrollment	7,865	8,854
Δ CCS-UG only	799	-310
Δ Mt. Laurel-UG only	135	-135
Δ Grad	321	-366
Δ other UG programs	-266	15
Ending Enrollment	8,854	8,058



Current Efforts to Increase Enrollment to 8300 for fall 2006

- GoalQuest's eCruit
- GoalQuest's Fyre Program
- Increased marketing and on-site visits at county colleges
- Weekend University program expansion; BS Communication, MS Engineering Management
- Increased Provost Fellowship Program (partial fellowships to Master's students)
- Overseas graduate recruiting (India)

Longer Term Strategies to Increase the Enrollment to 9500 by fall 2009

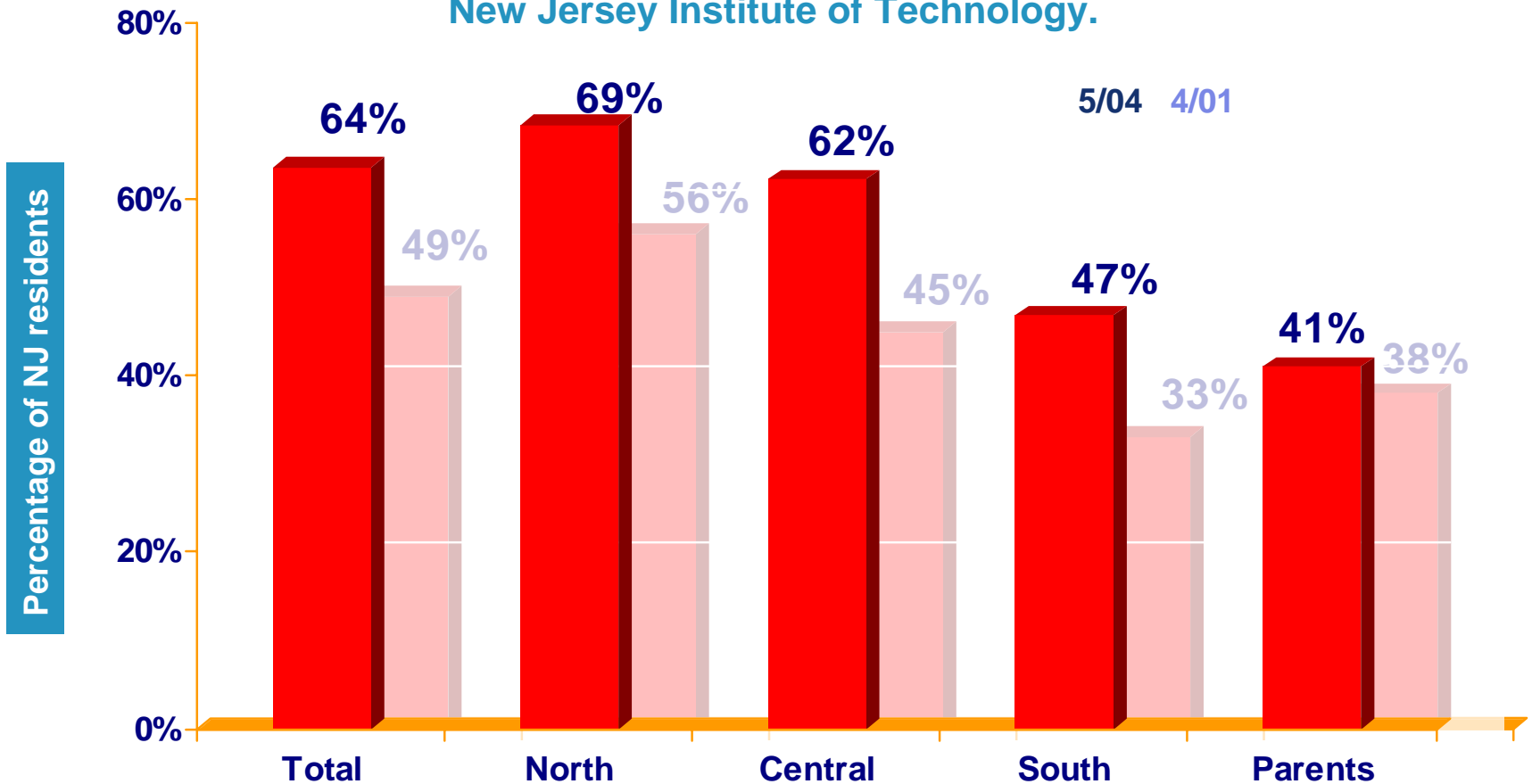
- External assessment of recruitment/ enrollment management effort (start May 06)
- Add additional undergraduate majors, e.g., media arts, teacher education, international affairs, social sciences, political science
- Revise the General University Requirements (GUR) to be less rigid and more competitive in non-engineering majors
- Implement marketing program using a reconstructed website, revised print and media products, and internet marketing with the new logo, descriptor and tag line

Longer Term Strategies to Increase the Enrollment to 9500 by fall 2009

- Continue to improve the appearance of the campus
- Partner with the City in the completion of the Downtown Core Redevelopment
- Improve Greek life
- Partner with the City in the redevelopment of the James Street Historic District

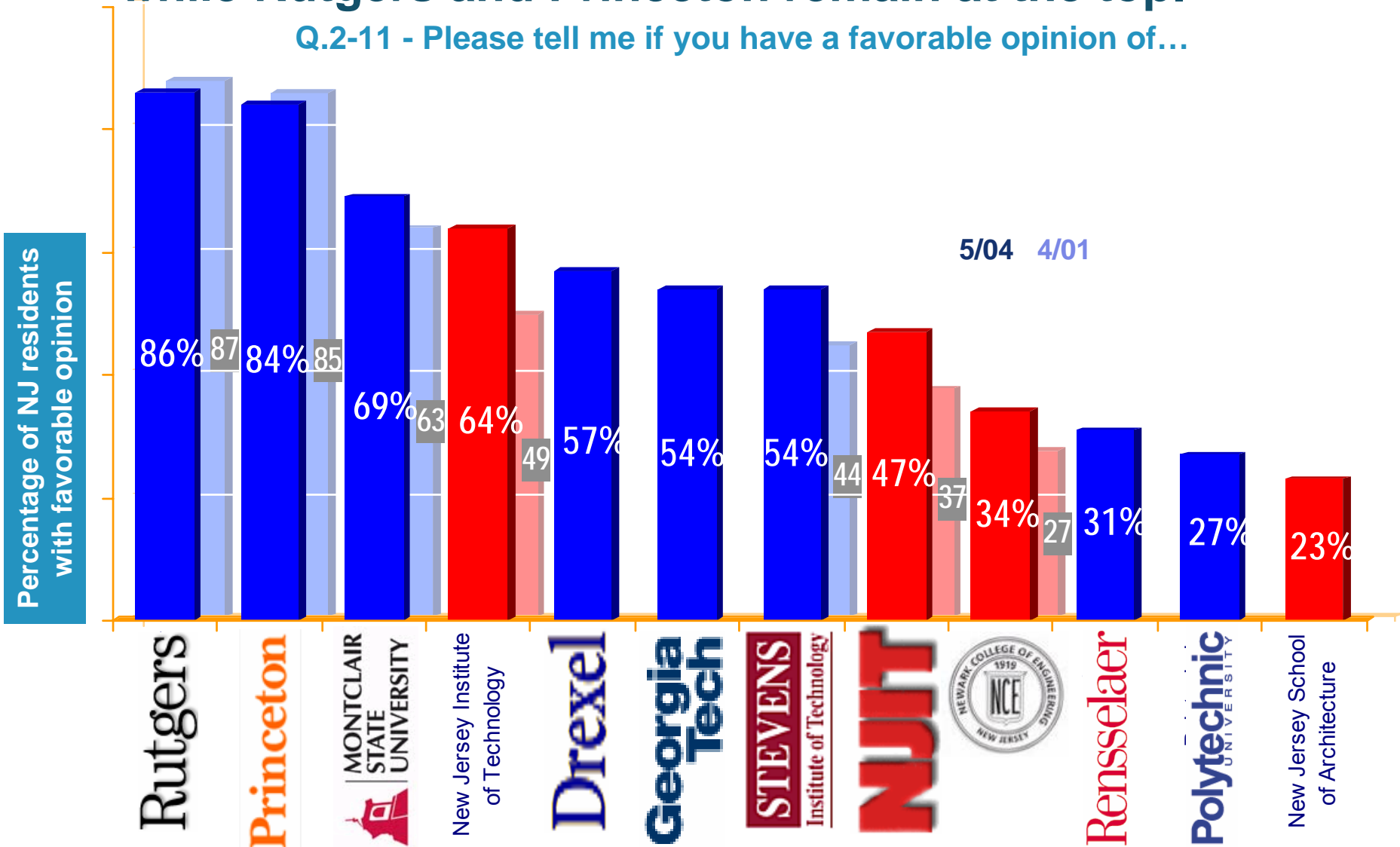
New Jersey Institute of Technology is better-known and better-liked in all parts of the state compared to 2001.

Q4 - Please tell me if you have a favorable opinion of...
New Jersey Institute of Technology.



New Jersey Institute of Technology has made gains, while Rutgers and Princeton remain at the top.

Q.2-11 - Please tell me if you have a favorable opinion of...



5/04 4/01



NJIT
New Jersey's Science & Technology University

Report Title Goes Here on One or Two - -

Report Subhead or other explanatory note goes here, if necessary. Report Subhead or other explanatory note goes here.

njit.edu
THE EDGE IN KNOWLEDGE





THE EDGE IN KNOWLEDGE:
honors for students in many fields

- Bill Gates Millennium Scholars: Jennifer Dorn(CS), Gloria Portocarrero (BME) and Jessica Samper (IT)
- 2005 National Society of Black Engineers Board of Corporate Affiliates Scholars: Renald Benoit (IS) and Felix Mbuga (CHE)
- The Best and the Brightest 2005 Doctoral Fellowship, Ministry of Education of Thailand: Kamolbhan Olapaiyankul (IS), PhD candidate
- Six Arthur Ashe Sports Scholars: Jennifer Dorn (CS), cross country; Mario Douglas (EM), soccer; Sita Kulkarni (BME) volleyball; Elizabeth May (BME), cross country; Deepthi Sanjai (Bio), fencing; Donelle Small (Arch), swimming
- 2005 Hispanic Society of Hisp Eastern Techni Danny Lozano (CHE), First Plac Conference, TE
- Johnson and Jo Substance Man Kathleen Gibbe



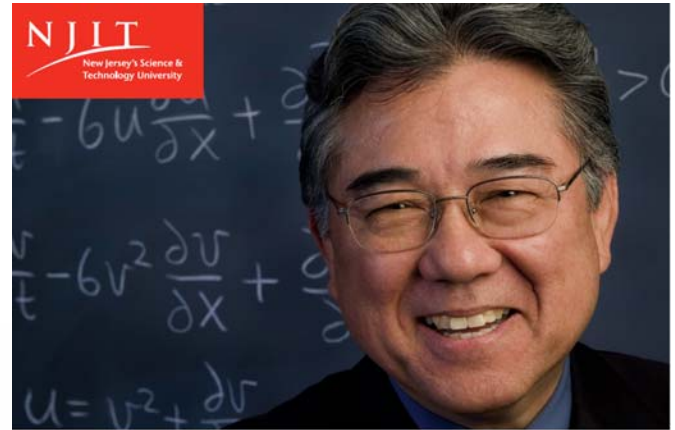
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NEWARK, NJ 07102-1000

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THE EDGE IN KNOWLEDGE
in applied mathematics at NJIT

- NJIT's Robert M. Miana has been awarded the prestigious 2006 Leroy P. Steele Prize, along with co-authors Clifford S. Gardner, John M. Greene, and Martin D. Knakal, from the American Mathematical Society
- The Steele Prize recognized the team's seminal contributions to research on solitary wave behavior with significant applications in optics, plasma physics, and ocean, atmospheric, and planetary sciences
- NJIT mathematicians direct more than 30 current grants from NSF, NIH, NASA, and other agencies
- NJIT is one of the nation's only recipients of NSF and Howard Hughes Medical Institute grants to provide integrated biological-mathematical training for undergraduates and graduates, respectively

Learn more about Mathematical Sciences at NJIT:
math.njit.edu



THE EDGE IN KNOWLEDGE
in security, ubiquitous computing and wireless communications

- NJIT ranks among the nation's top 25 campuses: Designated one of the nation's most technologically sophisticated universities by Forbes.com and a Princeton Review survey based on the ratio of computers to students, campus-wide and wireless networks, and technology-enhanced learning, among other factors
- NJIT has received major NSF funding to build SmartCampus, a wireless, peer-to-peer, location-aware community system, a living laboratory immersing NJIT students in a world of wearable computers and defining the next generation of computing applications
- NJIT researchers have designed cutting-edge homeland security information systems, such as the Dynamic Emergency Response Management Information System (DERMIS) that enables a virtual command center to facilitate collaborative decision making and critical improvisation from multiple locations

Learn more about SmartCampus at NJIT:
www.njit.edu/smartcampus



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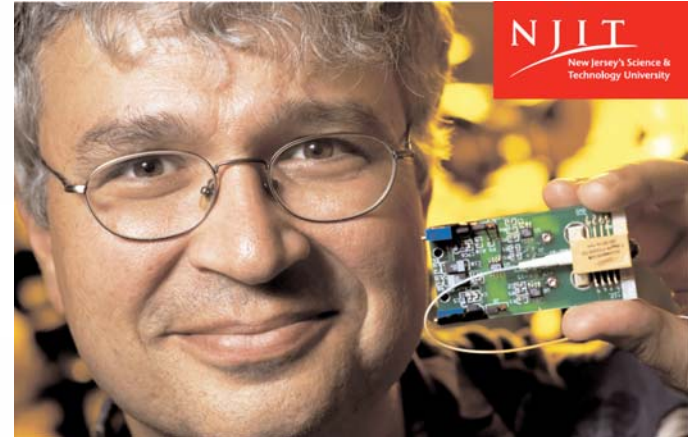
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THE EDGE IN KNOWLEDGE
in homeland security

NJIT's Homeland Security Technology Systems Center:
Protecting the nation from terrorist attacks

- Designated by the State of New Jersey
- Leading national demonstration projects to protect shopping malls and schools from terrorist attack
- Capabilities:
 - Leading edge digital video surveillance
 - Generation of 3-D facial recognition model from any standard photograph; developed by CyberE-Struder, an award winning start-up firm in NJIT's technology business incubator
 - Detection of suicide bombers and concealed explosives using terahertz radiation; being developed with Picometric, Inc. with federal support through the Technical Support Working Group
 - New approaches to emergency response command and control based on advanced concepts in collaborative computing with key decision makers dispersed in multiple locations

Learn more about NJIT's research related to homeland security at
<http://www.njit.edu/homeland.php>



New Jersey's Science & Technology University

THE EDGE IN KNOWLEDGE

NJIT Media Summary Report

“Richard F. Sweeney, university librarian at the New Jersey Institute of Technology says today’s students need a different kind of education.”

THE CHRONICLE
of Higher Education

October 7, 2005 • \$125
Volume 111, Number 7

http://chronicle.com

American U. Faces a Tussle at the Top

Reports of lavish spending lead professors and students to call for president's ouster

BY PAUL EMIN

WASHINGTON

BENJAMIN LADNER WASN'T WORRIED last spring when American University's Board of Trustees sent him a letter saying he was to be the subject of a "routine, periodic audit."

An president of the university since 1994, Mr. Ladner had been privy to many other audits, most of which he says lasted a few weeks and involved a review of records and receipts—a fairly simple kicking of the financial tires. He says he was relaxed, thinking he would face a similar drill.

He was wrong.

The audit was supported by an anonymous letter to the board that made allegations of lavish personal spending by Mr. Ladner, quickly became a major investigation into \$614,117 of his expenses over the past three years.

Splashed in the local news media were embarrassing allegations, gleaned from the audit, including that Mr. Ladner had billed the university \$43,292 for personal wine, liquor, and private parties featuring 13-course meals, as well as \$22,345 for a first-class plane ticket to Nigeria. (See box on Page A13.) He has denied the gist of those allegations, saying the few mistakes he made with expenses were minor and inadvertent.

By late last week the board had split into competing factions, each represented by different sets of lawyers. And Mr. Ladner, who was suspended in August, was the focus of a spirited protest on American's campus, with professors and students calling for his dismissal.

"I think I was a little naive in my

Continued on Page A11



Richard F. Sweeney, university librarian at the New Jersey Institute of Technology, says today's students need a different kind of higher education.

Teaching the Gadget Generation

Should professors bend their style to reach tech-savvy, multitasking students or make them adapt to the traditional attention span of academe?: **A34**



Class Argenson, a Danish academic, whose story for page was unaccompanied.

Spring, a Man Fall, a Woman

A professor who underwent a sex change explains it to her students and colleagues: **A10**

The Hurricanes and the Campuses

Scholars race to disaster scenes to study the human response: **A14**

Rita leaves behind a new trail of destruction and uncertainty: **A28**

2 New Orleans universities suffer vastly different fates: **A29**

Another U.S. Export to Europe: Technology Transfer

On the Continent, countries turn to university patenting to try to convert knowledge to wealth: **A44**

Complete guide to this issue: Page A3 • The Chronicle Review: Section B • 873 job opportunities: Section C

March 9, 2006

NJIT

New Jersey's Science & Technology University

THE EDGE IN KNOWLEDGE

Press Releases July – December 2005

- Science and technology releases number 240 of 326 total releases. These are in bold in the next frame.
- Top performer in this period was the evaluation of the Hubble telescope by NJIT Distinguished Research Professor Lou Lanzerotti.
- Top performers perennially are Smart Gun and Earthshine.
- See http://www.njit.edu/publicinfo/press_releases_2006.php

Top Daily Newspapers from NJIT Perspective

Rank	Newspaper	Daily	Sunday
• 1.	USA Today	2,281,831	None
• 2.	The Wall Street Journal	2,070,498	None
• 3.	The New York Times	1,121,623	1,680,582
• 4.	Los Angeles Times	907,997	200,065
• 5.	Washington Post	740,947	1,000,565
• 17.	The Star Ledger-Newark, NJ	382,055	591,272

MEDIA CLIPS

336 from July to December 2005

NAME OF PUBLICATION	TITLE	DATE	NJIT Faculty/Staff		
ABC News	"Hubble operators optimistic about future of shuttles"	7/31/05	L. Lanzerotti	A1	B3
Houston Chronicle	"Hubble operators optimistic about future of shuttles"	7/31/05	L. Lanzerotti	A1	B3
Philadelphia Inquirer	"Probe highlights politics' ties to state universities"	7/14/05	NJIT Mention	A1	B3
Star Ledger	"County Receives Millions in Grants"	7/28/05	Bill Marshall	A1	B3
Star Ledger	"Helen Schnack of Morris Plains, faculty member at NJIT, FDU"	7/18/05	Helen Schnack	A1	B3
Star Ledger	"Scientists planning tech strategy for next governor"	7/28/05	NJIT Mention	A1	B3
Star Ledger	"Basketball camp links academics with sports"	7/27/05	Andrea Henderson	A1	B3
WCBS News - Feature	"Breath Being Used To Determine State Of Health"	7/28/05	Michael Phillips (Mensanna)	A1	B3
Aberdeen American News, SD	"Hubble operators optimistic about future of shuttles"	7/31/05	L. Lanzerotti	A2	B3
Akron Beacon Journal, OH	"Hubble operators optimistic about future of shuttles"	7/31/05	L. Lanzerotti	A2	B3
Asbury Park Press	"Hourly Pay: \$5.15-\$14. Experience: Priceless"	7/10/05	NJIT Student	A2	B3
Asbury Park Press	"Lucent's Landmark"	7/17/05	Peter Papademetriou	A2	B3

Reaching the Media

- Beyond the press release, we employ media strategies for major stories such as press conferences, extensive pitching, and interview preparation.
- For science and technology stories, we capitalize on EurekAlert, the web-based wire service of the American Association for the Advancement of Science (AAAS) to which we subscribe.
- EurekAlert reaches an audience of science and technology writers and editors as well as business developers. This audience actively searches for the edge in knowledge.

Eureka!ert Results September thru December 2005

Title	Date Posted/ Emb. Date	Total Viewings	Graph (total hits)
NJIT distinguished professor honored by IEEE for contributions to publications	6-Dec-2005	796	
NJIT mathematician receives Fulbright to study thin film science in Argentina	2-Dec-2005	702	
\$1 million grant from Howard Hughes Medical Institute to fund joint neuroscience program	22-Nov-2005	785	
NJIT study shows nanoparticles could damage plant life	22-Nov-2005	1185	
NJIT engineers use new technology to help children with cerebral palsy	17-Nov-2005	1234	
Historian at NJIT will discuss disseminating scientific knowledge in 19th century	9-Nov-2005	563	
NJIT physicist sees terahertz imaging as ultimate defense against terrorism	31-Oct-2005	1710	
AAAS elects NJIT professor as Fellow for math modeling research on the brain	27-Oct-2005	360*	
NJIT hosts upcoming innovative environmental technologies conference	24-Oct-2005	455	
Using information technology to coordinate emergency management	13-Oct-2005	566	
Lack of dependability in user-developed software can be costly	13-Oct-2005	462	
Defense center at NJIT draws satisfied customers at annual signing	5-Oct-2005	559	
Noted engineer, NSF leader, Penn professor Joseph Bordogna speaks at NJIT	26-Sep-2005	510	
MailCall at NJIT offers first: Stock market reports over telephone	21-Sep-2005	660	
Totals 14 releases		10547	Each unit (—) represents 85 hits

