Agenda

• NJIT at 125 Years: Yesterday, today, and tomorrow
• Newark’s revitalization and NJIT’s participation
• NJIT’s move to NCAA Division I
Yesterday

Today

Tomorrow

1881-2006

THE EDGE IN KNOWLEDGE
The Beginning-Newark Technical School: 1881-1919

• Newark Technical School founded to meet Newark’s educational needs in support of a wide range of industries

• Director Charles Colton welcomes the inaugural class of 88 Newark residents, including Fred Eberhardt, on West Park St.

• 1886-High St. and Summit Place

• 1913-Laboratory building, later Colton Hall

1881-2006

The Edge in Knowledge
The Early Years-Newark College of Engineering: 1919-1975

- Newark College of Technology awards BS degrees in 1923
- Newark College of Engineering named under Allan Cullimore
- Campbell (1925) and Eberhardt (1948) Halls
- Robert Van Houten and William Hazell lead program expansion—including PhD’s, CS, NJSOA

1881-2006

THE EDGE IN KNOWLEDGE
Transition Years-
New Jersey Institute of Technology: 1975-2006

• Saul Fenster guides founding of CSLA, SOM, ADHC, CCS

• Physical expansion continues and residence halls established

• Fenster Hall, Campus Center, and Eberhardt Hall
NJIT Alumni Center dedicated

1881-2006

THE EDGE IN KNOWLEDGE
Transition Years -
New Jersey Institute of Technology: 1975-2006

Involvement in redevelopment of the City of Newark expands
Strategic Priorities

➔ Programmatic
  • Architecture
    • Industrial Design
  • Wireless Communication and Networking
    • Developing “SmartCampus” environment
  • Applied Math
    • Leroy P. Steele Prize for Seminal Contribution to Research from the American Mathematical Society

➔ Research and commercialization
  • >$75 M in FY05

➔ Student recruitment
  • 22% of ‘09 class in Honors College

➔ Private funding
  • Alumni donor base increased 17% past two years

➔ Quality of life
<table>
<thead>
<tr>
<th>Project Description</th>
<th>Funding Details</th>
<th>Sponsor</th>
<th>PI &amp; Department</th>
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</thead>
<tbody>
<tr>
<td>Environmentally Benign Deagglomeration and Mixing of Nanoparticles</td>
<td>$1.2 M - 4 yr</td>
<td>NSF</td>
<td>Dave (ChE) Pfeffer (ChE)</td>
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<tr>
<td>Neurosciecn Interdisciplinary Graduate Research</td>
<td>$1M - 3 yr</td>
<td>Howard Hughes Medical Institute</td>
<td>Miura (Math)</td>
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<tr>
<td>Hybrid &amp; Energetic Advanced Fuel Cells</td>
<td>$4.7M - 2 yr</td>
<td>US Army, DoD</td>
<td>Iqbal (Chem)</td>
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<tr>
<td>Traffic Corridors &amp; Congestion Mitigation</td>
<td>$1.5M - 2 yr</td>
<td>NJDoT</td>
<td>Santasieri (ORD)</td>
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<tr>
<td>Program</td>
<td>Award</td>
<td>Agency</td>
<td>PI</td>
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<td>------------------------------------------------------------------------</td>
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<td>Engineering Research Center for Structured Organic Composites</td>
<td>$15M – 5 yr (Share TBD)</td>
<td>NSF</td>
<td>Dave (ChE), Armenenate (ChE)</td>
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<tr>
<td>Integrative Graduate Education and Research Training</td>
<td>$1.4M – 3 yr</td>
<td>NSF</td>
<td>Armenenate (ChE)</td>
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<tr>
<td>REREC on Children with Orthopedic Disabilities</td>
<td>$4.7M – 5 yr</td>
<td>NIDRR, Dept. of Ed.</td>
<td>Foulds (BME)</td>
</tr>
<tr>
<td>Neuronal Differentiation of Stem Cells Using Nanomeshes</td>
<td>$920K</td>
<td>NJ Spinal Chord Fdn &amp; NJCS&amp;T</td>
<td>Arinzeh (BME)</td>
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<tr>
<td>Disruptive Technology Acceleration</td>
<td>$2.5M FY06</td>
<td>US Army, DoD</td>
<td>Federici (Phy), Recce (IS), Saadaghveziri (CEE), Dreizin (ME), Gorun (Chem), Sebastian (ORD)</td>
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</tbody>
</table>
Eberhardt Hall NJIT Alumni Center
NJIT
New Jersey’s Science & Technology University

International Center for Public Health-Science Park

Digital Century Center-Science Park

NJIT Enterprise Development Center

III-Science Park

The Village at Newark

THE EDGE IN KNOWLEDGE
Greek Village Concept

Total Size: 3.5 Acres
Total # of Units: 19 T.H. LOTS
Retail: 10 KSF
Community Center: 5 KSF

MLK BOULEVARD

NJIT Campus Gateway Plan - Development Plan
Before & After
Quality of Life Strategic Objective: Move to Div I

Rationale:

• Perception
• Regional and national profile
• Expanded applicant pool
• Alignment with academic peers
• Bond between alumni and institution
• Campus life
• Visual impact of facilities
• Builds tradition
• Community engagement and leadership
### NJIT Intercollegiate Athletics

<table>
<thead>
<tr>
<th>Men</th>
<th>Women</th>
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</thead>
<tbody>
<tr>
<td>Baseball</td>
<td>Basketball</td>
</tr>
<tr>
<td>Basketball</td>
<td>Cross Country</td>
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<tr>
<td>Cross Country</td>
<td>Fencing</td>
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<td>Fencing</td>
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<td>Swimming</td>
<td>Tennis</td>
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<td>Tennis</td>
<td>Volleyball</td>
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</table>

*NJIT Intercollegiate Athletics*

*New Jersey’s Science & Technology University*
Efforts to Meet Strategic Objective
Move to Div I

- Planning complete
- Personnel recruiting
- Recruiting/funding

2003 Financial Report  NJIT  I-AAA America East

<table>
<thead>
<tr>
<th></th>
<th>NJIT</th>
<th>I-AAA America East</th>
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<tbody>
<tr>
<td>Athletes/Students %</td>
<td>3.5%</td>
<td>6.6%</td>
</tr>
<tr>
<td>Athletic Exp/Inst Exp %</td>
<td>0.7%</td>
<td>5.0%</td>
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</table>

NJIT Athletic Exp/Inst Exp %

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<tr>
<td>FY06</td>
<td>1.7%</td>
</tr>
<tr>
<td>FY07</td>
<td>2.3%</td>
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</tbody>
</table>
Efforts to Meet Strategic Objective Move to Div I

- Conference affiliation
  - Exploring NEC, CAA, Patriot, Amer East
- Marketing
- Revenue
  - Ticket sales
  - Facilities charges
  - NCAA/Conference revenue sharing
  - Highlander Athletic Fund/Highlander Athletics Campaign (at about 70% of $5 million goal)
- Facilities improvements
  - Office space (partial private funding); weight room
  - Main gym renovation (private funding)
NJIT one of America’s 150 Best Value Colleges

- Academics, tuition, GPA, financial aid, student borrowing

Top-Tier National Research University