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**CORNELL
NYC TECH**

Cornell Tech and New York City's Applied Sciences Initiative – an Economic Development Partnership

Kent Fuchs

Provost

Competition Announcement

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The New York Times

December 16, 2010

City Seeks Partner to Open Graduate School of Engineering

“...worried that New York City is not spawning enough technology-based start-up companies with the potential to become big employers like Google, city officials are inviting universities around the world to create an engineering campus on city-owned land...”



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New York – New Tech City



- + “*For New York City, the establishment of top-tier applied sciences and engineering campuses in New York City is a once-in-a-generation opportunity to dramatically increase our potential for economic growth.*” - NYC EDC
- + Competition for modern day land grant –
 - 12+ acres plus
 - \$100M for site development and construction
- + Timeline
 - Announcement of competition December 16, 2010
 - Expressions of interest submitted March 2011
 - Proposals submitted October 2011
 - Announcement of award December 19, 2011



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December 19, 2011



FOR IMMEDIATE RELEASE
PR- 444-11
December 19, 2011



**MAYOR BLOOMBERG, CORNELL PRESIDENT
SKORTON AND TECHNION PRESIDENT LAVIE
ANNOUNCE HISTORIC PARTNERSHIP TO
BUILD A NEW APPLIED SCIENCES CAMPUS ON
ROOSEVELT ISLAND**



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The Vision



Offer a distinctive model of **graduate-level** tech education in the heart of New York City that fuses **academic excellence with commercial success** and a commitment to **societal good**. Leverage **New York City's** spirit **global** interconnectedness to inspire and nurture the next generation of technology leaders.

- + Three elements
 - academic leadership
 - commercial intent
 - societal benefit
- + Infusing campus with entrepreneurial spirit
 - Tech companies and nonprofits on campus
- + Matrix of core tech fields and interdisciplinary tech-oriented hubs
- + Graduate degree programs at professional masters, research masters and doctoral levels



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Fueling the Information Economy

- Industrial age pipeline/funnel model of technology innovation breaking down
 - Research and product development in tech sector often parallel rather than sequential
 - New collaboration opportunities and imperatives
- Change in tech R&D toward deep customer engagement a great fit for NYC
- Cornell Tech focus on “information layer” of urban life and commerce



Technion – Cornell's Academic Partner



- + The Technion – Israel Institute of Technology
 - Israel's leading science and technology university
 - Graduates are known for their entrepreneurship
 - Alumni responsible for half the Israeli companies on NASDAQ

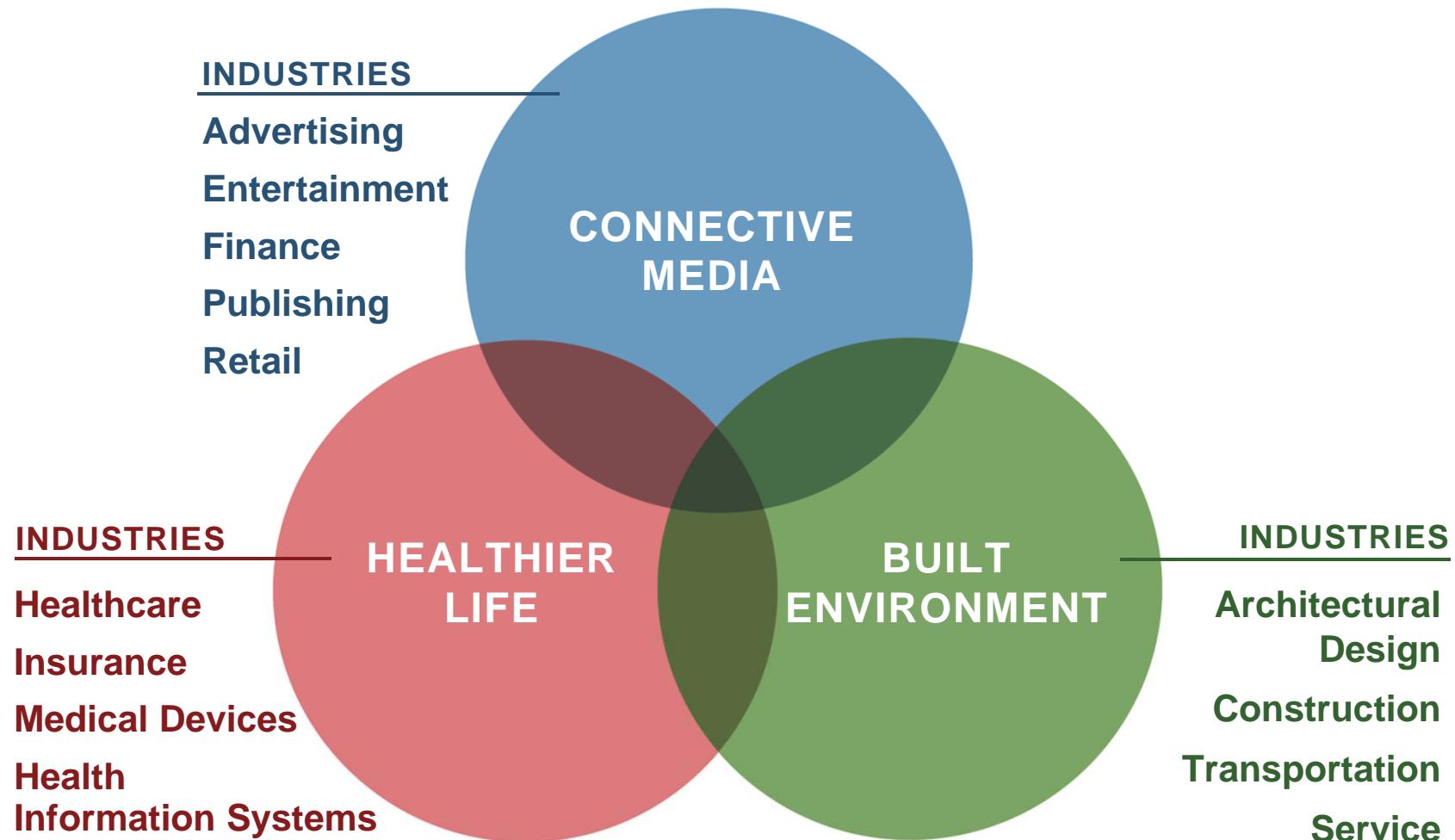
- + Technion-Cornell Innovation Institute – a global partnership within the tech campus
 - Cornell and Technion faculty working together
 - Dual master degrees focused on hubs
 - Joint global research
 - Commercialization



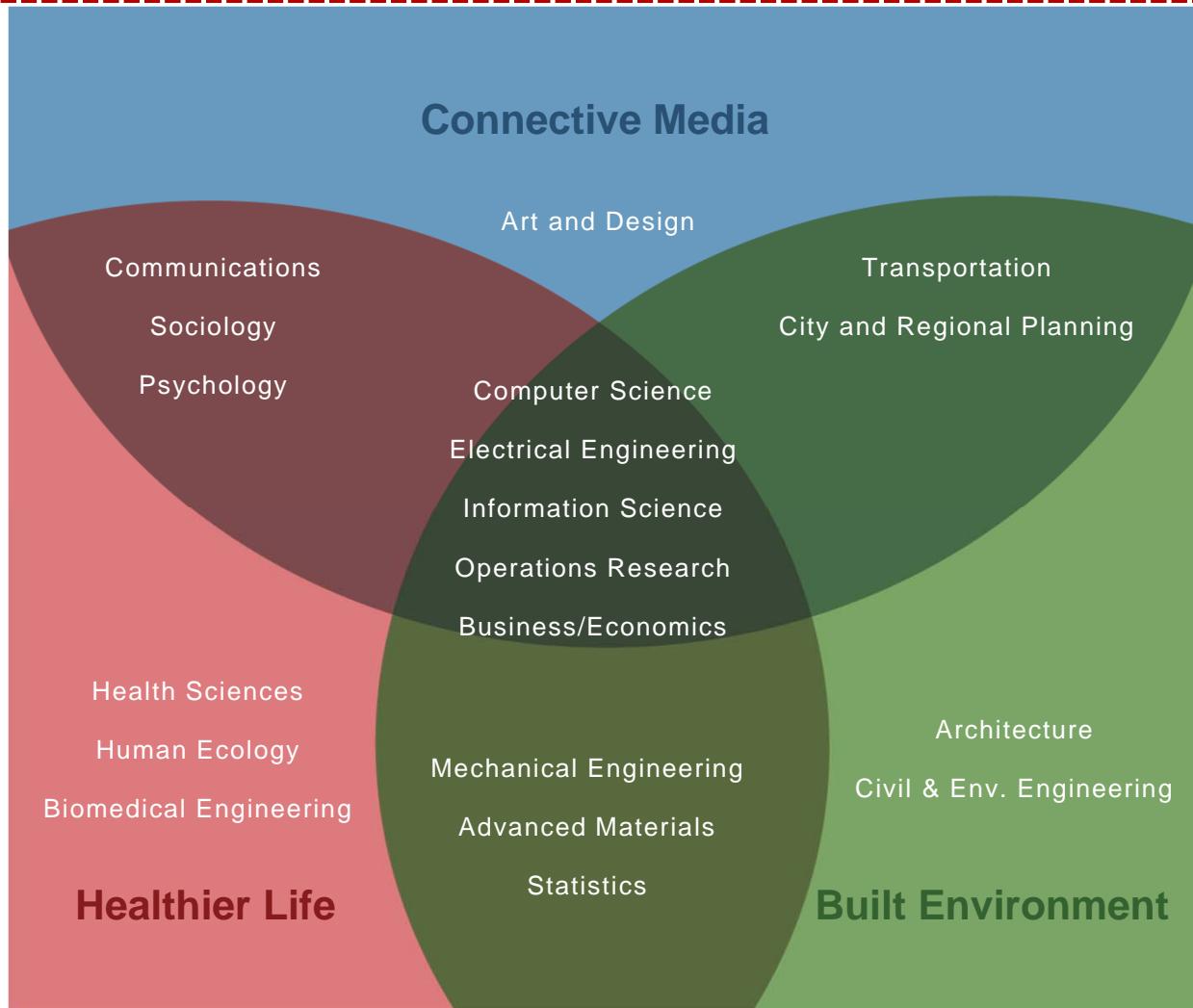
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Interdisciplinary Hubs – Tied to Real World

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Academic Disciplines

- Core tech sector disciplines: CS, IS, ECE, ORIE
 - One-year professional masters
- Interdisciplinary hubs
 - Two-year masters of science with Technion
- All fused with business and entrepreneurship
 - Johnson School, courses and Accelerated MBA
 - Entrepreneurial Office, projects and practicums
- PhDs
- Planned population at full build ~2,500 graduate students



Academic Programs

- Hands-on apprenticeship style learning
 - Project supervised by faculty with industry mentor
 - Practicum Fridays for real-world ties and skills
- All students study mix of tech and business
- Faculty regularly teach in multiple disciplines and hubs
- Full masters degree programs, doctoral students spend initial year in Ithaca
 - Programs for undergraduate juniors/seniors (no degrees)





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Roosevelt Island



The Campus

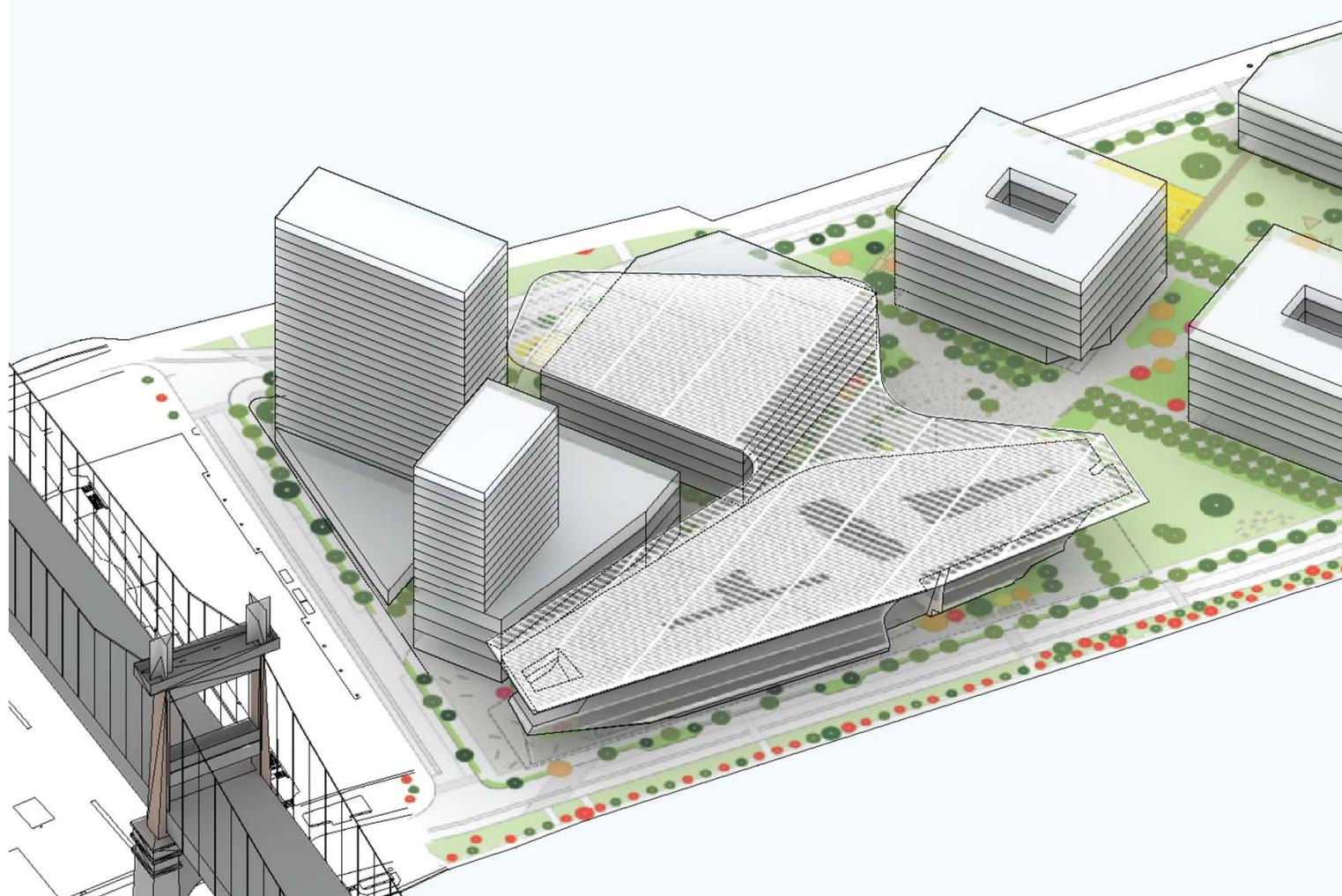
At full build ~ 2 million square feet on a 12 acre site

- + Mix of academic, corporate co-location, residential, and executive education space
- + Planned Phase 1 (completed 2017)
 - Academic facility – owned and operated by Cornell
 - Corporate co-location space for tech industry
 - Residential apartments for faculty, students and staff
 - Executive education center including lodging
- + Planned Full Build (completed 2037)
 - Additional facilities with similar uses as in Phase 1



Phase 1 – Massing with Photo-Voltaics

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High Level of Public Interest

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The New York Times

Cornell's High-Tech Campus Will Have a
Temporary Home at Google



Newsweek

Roosevelt Island:
New York's New Tech Hub

THE WALL STREET JOURNAL.

In novel move, NYC campus gets
US patent officer

The Seattle Times

New York is vying to become
global high-tech hub



Applications are being accepted

Forbes

Former Twitter CTO Throws Down with
New York Tech Campus



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