

Cornell University

CORNELL
NYC**TECH**

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

Kent Fuchs

Provost

Competition Announcement

CORNELL
NYCTECH

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...”



Cornell University

New York – New Tech City

CORNELL
NYCTECH

- + *“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



Cornell University

December 19, 2011

CORNELL
NYCTECH



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



Cornell University

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



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



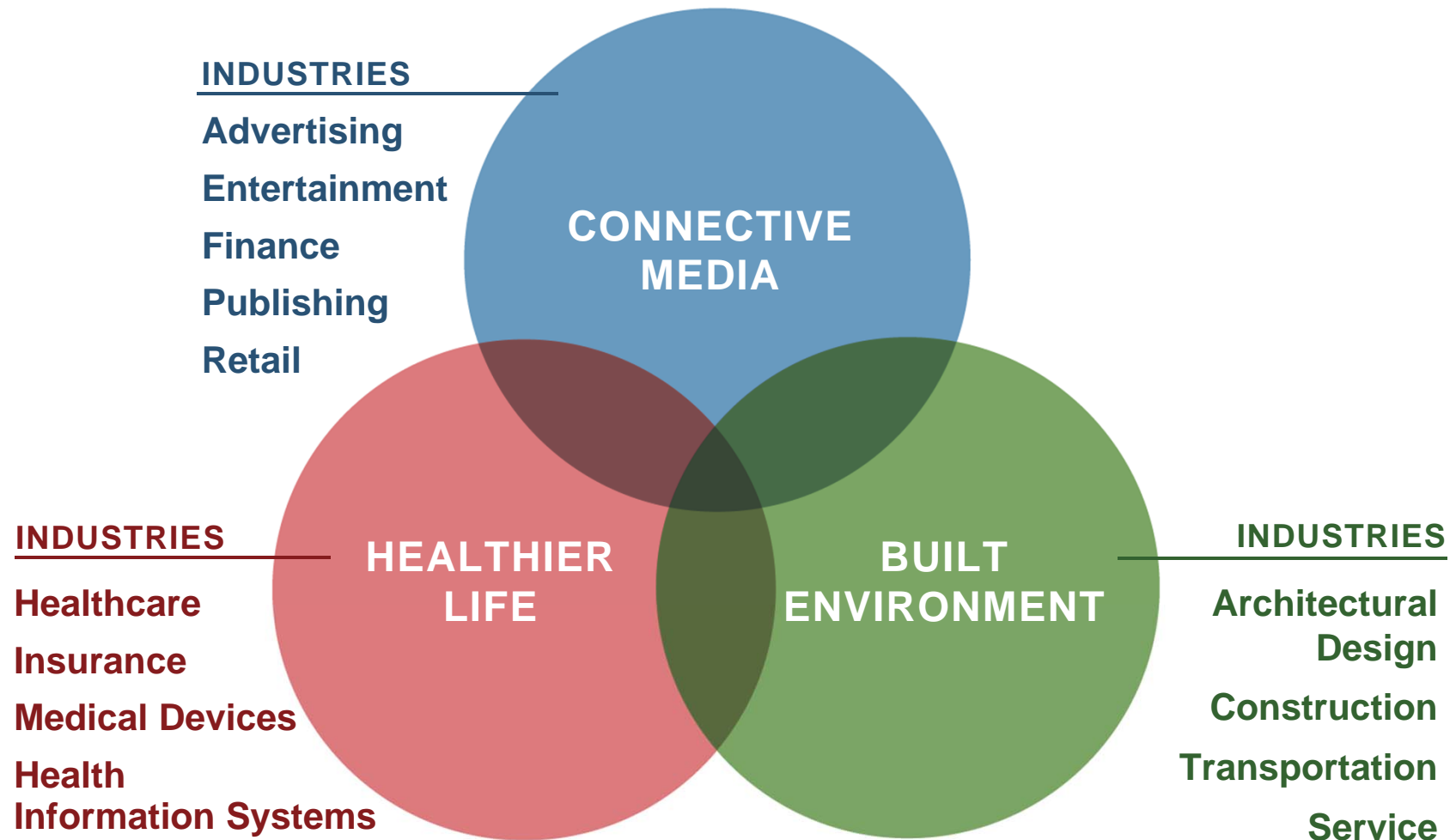
- + The Technion – Israel Institute of Technology
 - Israel's leading science and technology university
 - Graduates are known for their entrepreneurship
 - Alumni responsible for half the Israeli companies on NASDAQ

- + 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

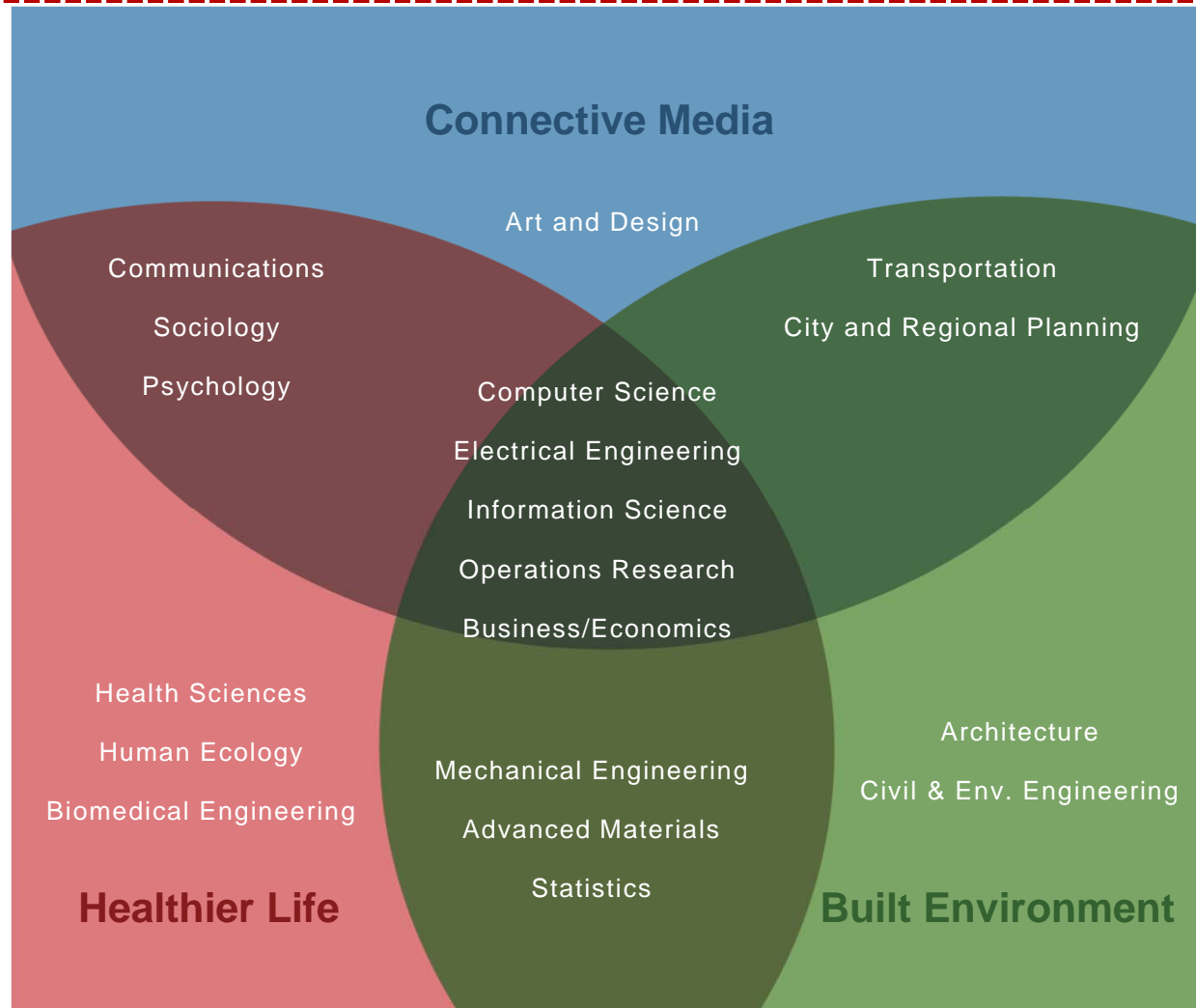


Interdisciplinary Hubs – Tied to Real World

CORNELL
NYCTECH



Cornell University



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)



111 Eighth Ave
in Chelsea
(generously donated
by Google)



Roosevelt Island
(starting in 2017)



Cornell University

Roosevelt Island

CORNELL
NYCTECH



The Campus

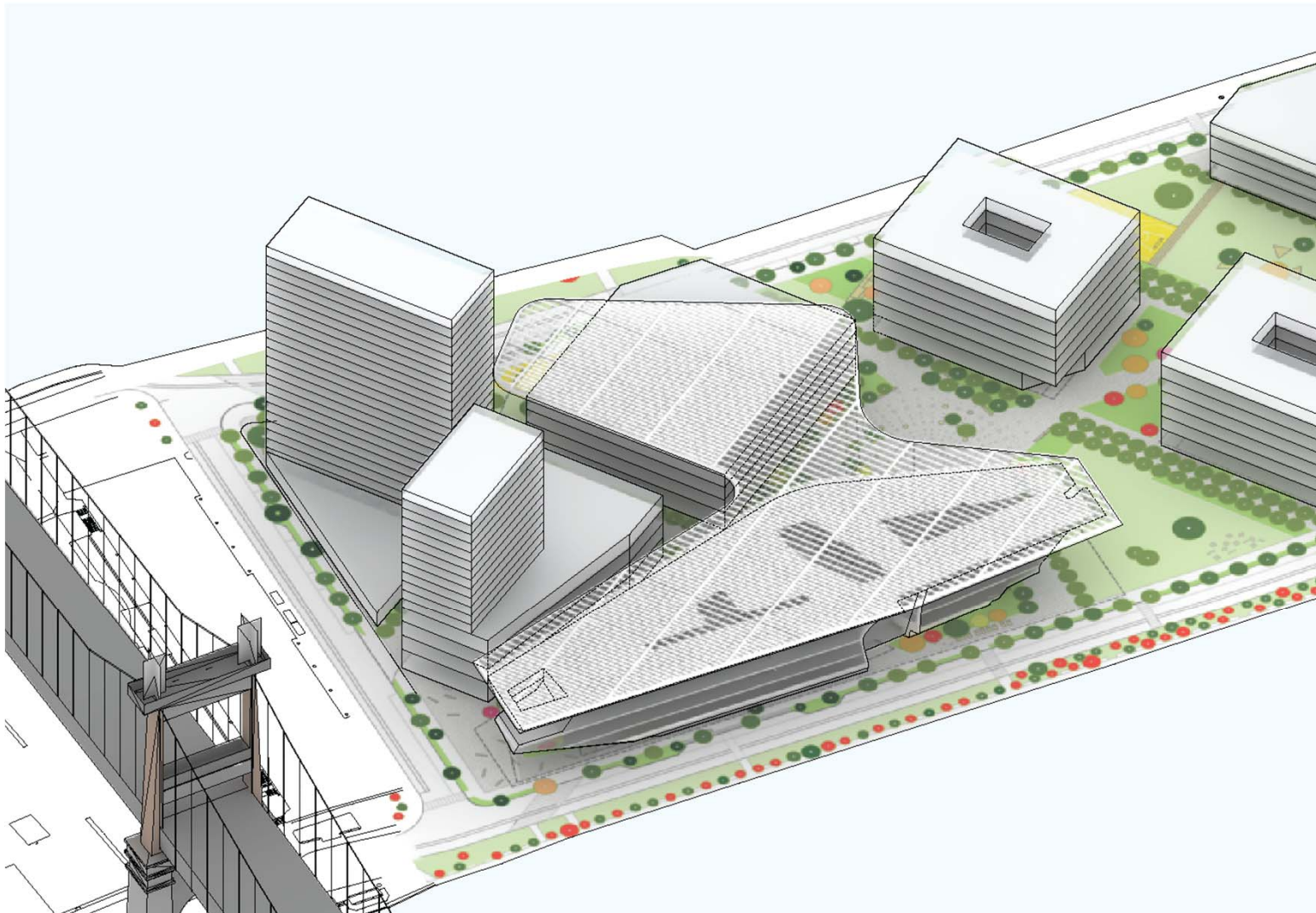
At full build ~ 2 million square feet on a 12 acre site

- + 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

CORNELL
NYC**TECH**



Cornell University

High Level of Public Interest

CORNELL
NYCTECH

The New York Times

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

The Seattle Times

New York is vying to become global high-tech hub

DAILY NEWS
U. GENIUS!
CornellNYC's first
prof. is tech brain



Applications are being accepted

Newsweek

Roosevelt Island:
New York's New Tech Hub

Forbes

Former Twitter CTO Throws Down with
New York Tech Campus

THE WALL STREET JOURNAL.

In novel move, NYC campus gets
US patent officer



Cornell University

CORNELL
NYC TECH