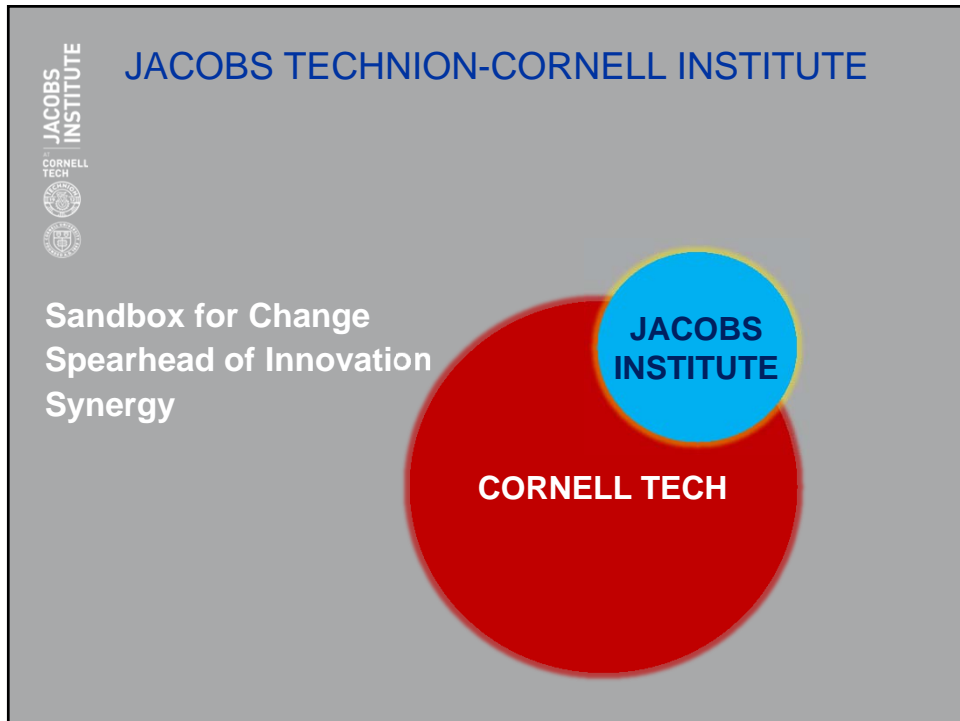


**JACOBS  
TECHNION-  
CORNELL  
INSTITUTE**

Presented to Engineering College Council, Cornell University  
Adam Shwartz, Director March 2015

The slide features a grey background with a white wireframe cube on the right side. On the left, there is a vertical stack of logos: the Jacobs Institute logo, the Cornell Tech logo, and the Cornell University logo.



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INSTITUTE**

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**CORNELL TECH**

Sandbox for Change  
Spearhead of Innovation  
Synergy

The slide features a grey background. On the left, there is a vertical stack of logos: the Jacobs Institute logo, the Cornell Tech logo, and the Cornell University logo. In the center, there is a large red circle with a smaller blue circle overlapping its top-right edge. The text 'JACOBS INSTITUTE' is written in white inside the blue circle, and 'CORNELL TECH' is written in white inside the red circle. To the left of these circles, the tagline 'Sandbox for Change, Spearhead of Innovation, Synergy' is written in white.

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Response and Apology

This slide features a dark gray background with a white wireframe graphic of a building's facade. In the top left corner, there are three logos: the Jacobs Institute logo, the Cornell Tech logo, and the Cornell University logo. The main title 'JACOBS TECHNION-CORNELL INSTITUTE' is written in blue at the top, and the subtitle 'Response and Apology' is written in white in the center.

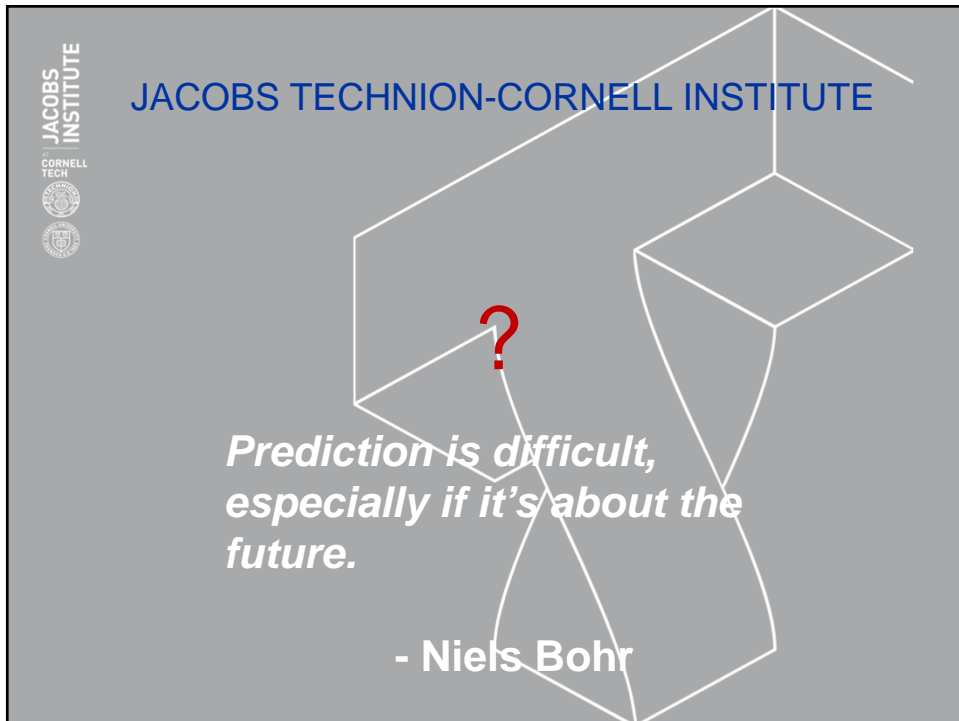
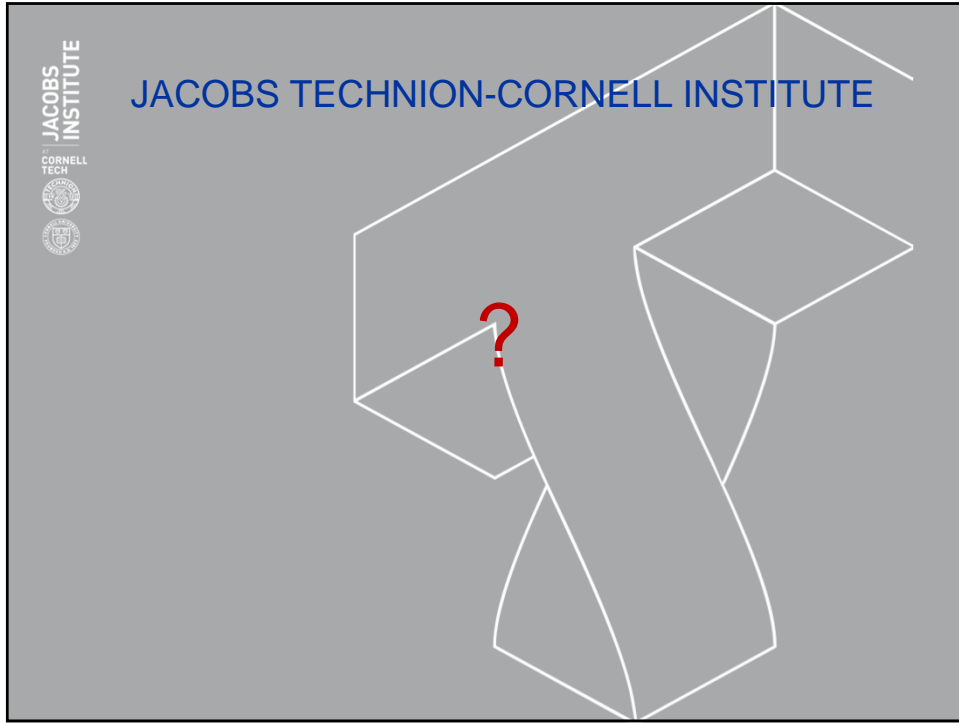
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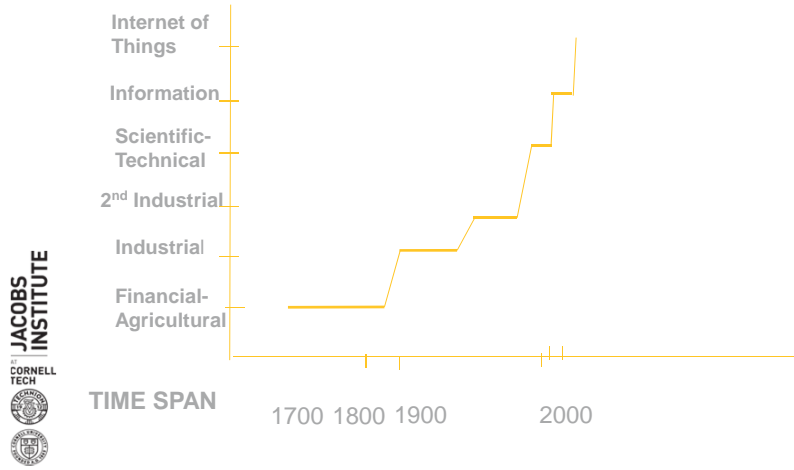
30 Years From Now

This slide features a dark gray background with a white wireframe graphic of a building's facade. In the top left corner, there are three logos: the Jacobs Institute logo, the Cornell Tech logo, and the Cornell University logo. The main title 'JACOBS TECHNION-CORNELL INSTITUTE' is written in blue at the top, and the subtitle '30 Years From Now' is written in white in the center.



# Rate of Technological Advance

## REVOLUTIONS



## 2 YEARS AGO

Skepticism around potential for success

JACOBS INSTITUTE



CORNELL TECH

Mission?  
Vision?  
Integration?

**JACOBS INSTITUTE**  
CORNELL TECH

**TODAY**

Sandbox for Change  
Spearhead of Innovation  
Synergy

**JACOBS INSTITUTE**

**CORNELL TECH**

 <b>Shiri Azenkot</b> Assistant Professor HCI, Accessibility	 <b>Uzi DeHann</b> Director, Runway Program	 <b>Adam Schwartz</b> Director, Jacobs Institute	 <b>Lihi Zelnik-Manor</b> Visiting Assoc. Professor Computer Vision	 <b>Mor Namaan</b> Associate Professor at Cornell Tech Social Data
 <b>Yaron Kanza</b> Visiting Asst. Professor Databases, GIS	 <b>Ari Juels</b> Professor Cryptography, Security	 <b>Shie Mannor</b> Visiting Professor Machine Learning	 <b>Craig Gotsman</b> Visiting Professor Geometric Computing	

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10

## Runway Postdoctoral Startup Program



Unique postdoctoral entrepreneurial program pioneering a novel Intellectual Property model

## PEOPLE

- 3 Tenure Track faculty
  - 3 long term visitors
  - 9 Runway postdocs
  - 3 Postdocs
  - 6 Ph.D.
  - 12 MS in Information Systems – Connective Media
- 
- 4 Cornell, 4 Technion Board Members
  - 1 Director
  - 1 Admin (NYC), 1 Admin (Haifa)
  - Administration integrated with Cornell Tech




# PROGRAMS

## Education

- MS-IS, Connective Media: 12, *recruiting (20?)*
- MS-IS, Health Tech: *recruiting (6?)*
- Runway: 9, *recruiting (4?)*
- Recruiting postdocs, PhD students

## Research

- Tenure Track Faculty: 3, *recruiting (2-3?)*
- Cooperation programs: grants (20 groups)
- *Technion PhD supervision*
- Cooperation programs: joint workshops (2), *exchange of research graduate students*




13

# VISION

Driver of change  
Driver of synergy within Cornell Tech

For Cornell, Technion and beyond



14

**JACOBS INSTITUTE**  
CORNELL TECH

2020

Sandbox for Change  
Spearhead of Innovation  
Synergy

A Venn diagram consisting of two overlapping circles. The larger circle on the left is red and labeled "CORNELL TECH". The smaller circle on the right is blue and labeled "JACOBS INSTITUTE". The two circles overlap in the center.

**JACOBS INSTITUTE**  
CORNELL TECH


2020

**PEOPLE**

- 15 Tenure Track faculty
- 10 long-term visitors--*including very long*
- 10-20 Runway postdocs
- 15-30 Postdocs
- 60 Ph.D.
- 250 MS in Information Systems –  
Connective Media, Health Tech, Built Environment

An abstract geometric diagram composed of white lines on a grey background. It features several interconnected shapes, including a large triangle on the left, a smaller triangle on the right, and various polygons and lines that create a complex, interconnected structure.


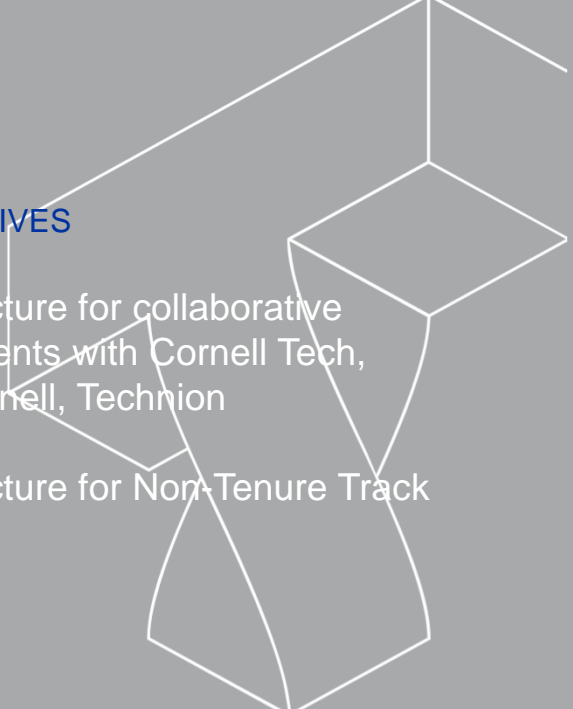




**2020**

**NEW INITIATIVES**

- New structure for collaborative appointments with Cornell Tech, Weill, Cornell, Technion
- New structure for Non-Tenure Track faculty

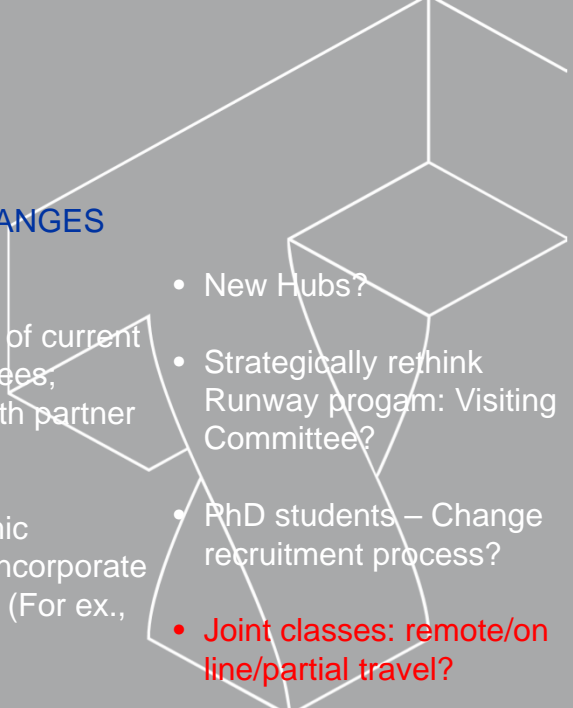


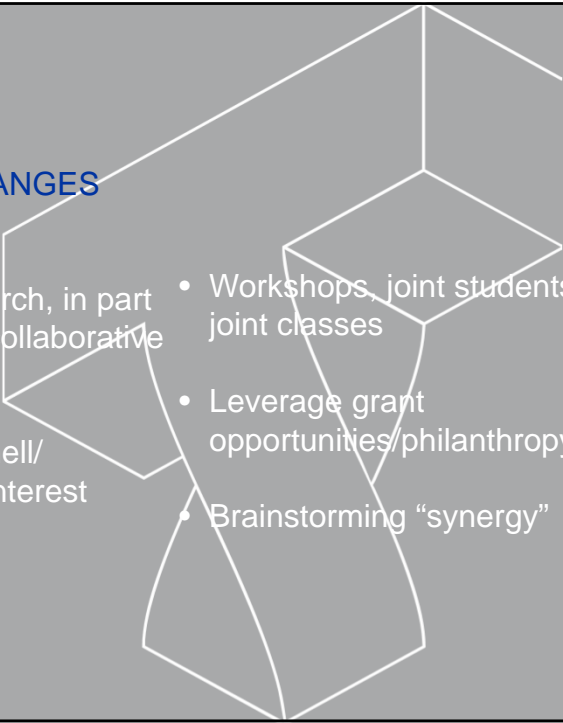
**2020**

**PROGRAM CHANGES**

Education

- Expand focus of current MS in IS degrees, collaborate with partner institutions?
- Other academic structures to incorporate additional foci (For ex., Security)
- New Hubs?
- Strategically rethink Runway program: Visiting Committee?
- PhD students – Change recruitment process?
- **Joint classes: remote/on line/partial travel?**





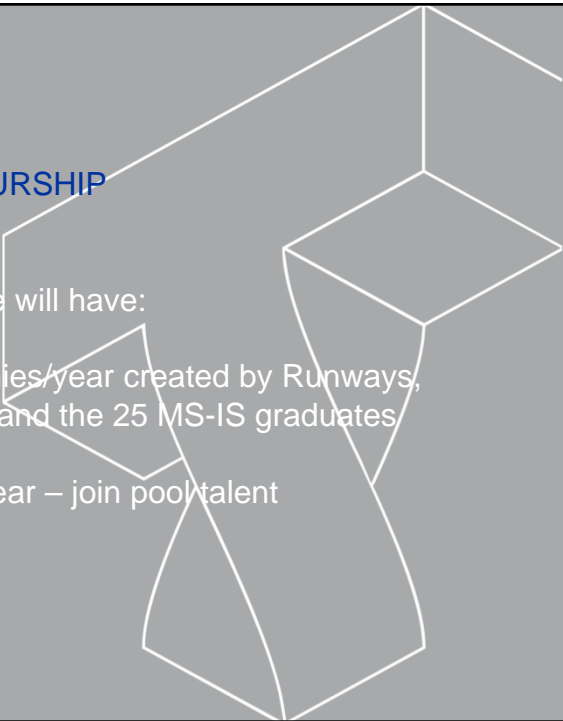
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**2020**

**PROGRAM CHANGES**

Research

- Broader research, in part facilitated by collaborative appointments
- Workshops, joint students, joint classes
- Form CT/Cornell/Technion/Weill interest groups
- Leverage grant opportunities/philanthropy
- Brainstorming “synergy”




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**CORNELL TECH**

**2020**

**ENTREPRENEURSHIP**

It is expected we will have:

- 10-20 companies/year created by Runways, Researchers, and the 25 MS-IS graduates
- 100 experts/year – join pool talent

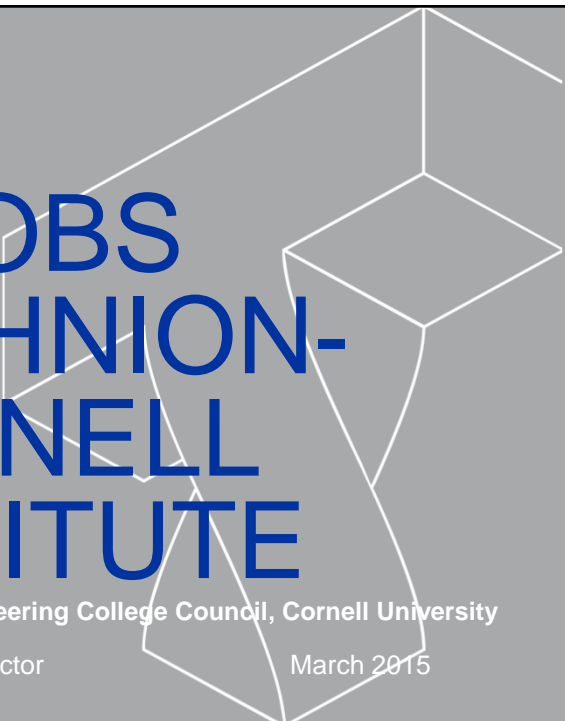


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**2025**

**SPECULATION**

How is education done?  
Meaning of physical proximity?  
Meaning of “place of work”?  
Meaning of “travelling to work”?  
Predominance of disciplines  
SW/HW  
Exact/human



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