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JACOBS TECHNION- CORNELL INSTITUTE

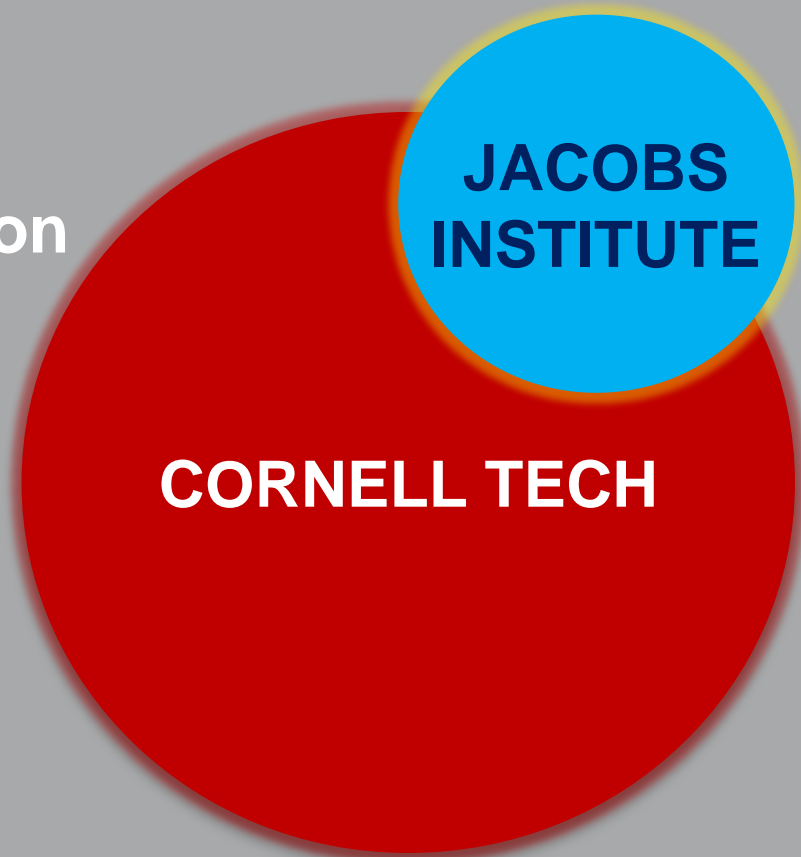
Presented to Engineering College Council, Cornell University

Adam Schwartz, Director

March 2015

JACOBS TECHNION-CORNELL INSTITUTE

Sandbox for Change
Spearhead of Innovation
Synergy



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Response and Apology

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20 Years From Now

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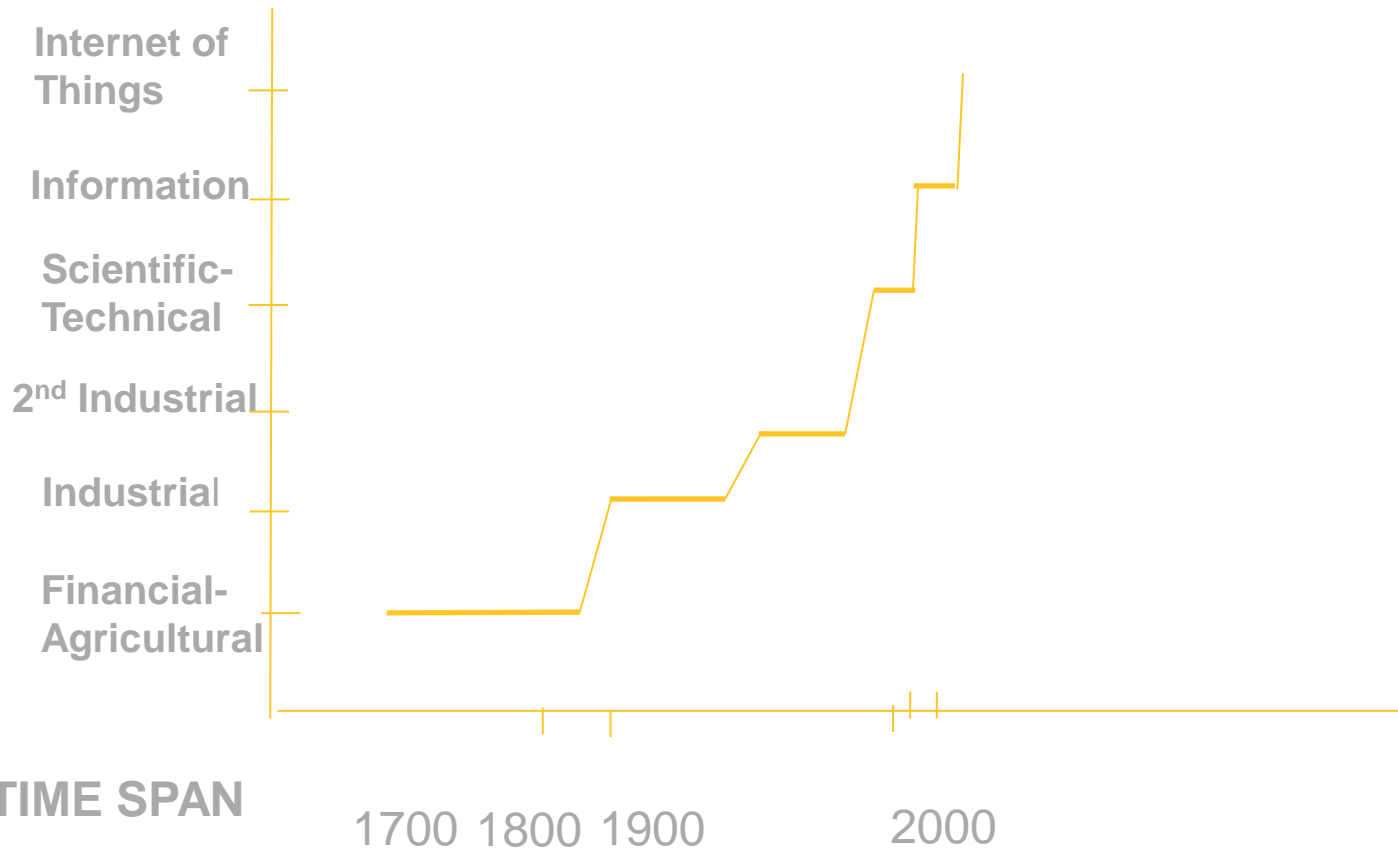


*Prediction is difficult,
especially if it's about the
future.*

- Niels Bohr

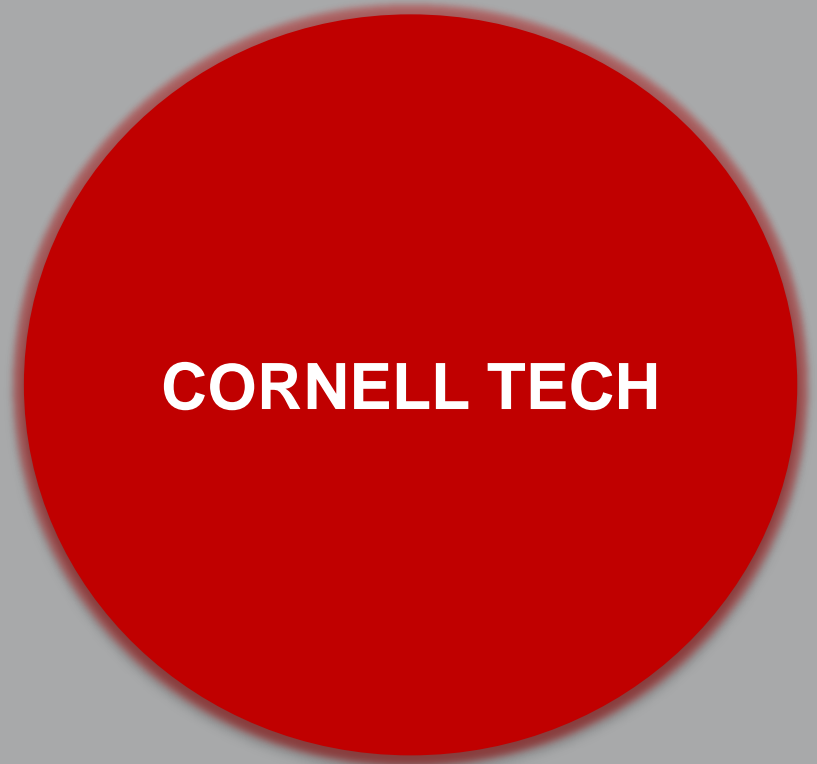
Rate of Technological Advance

REVOLUTIONS



2 YEARS AGO

Skepticism abounds
potential for success



Mission?
Vision?
Integration?

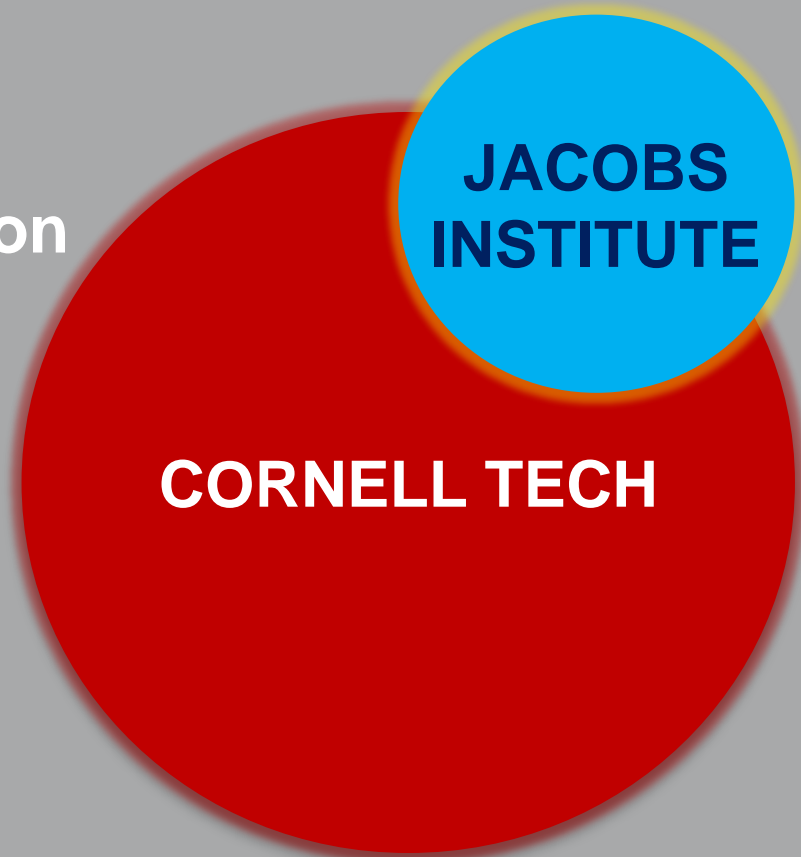
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TODAY

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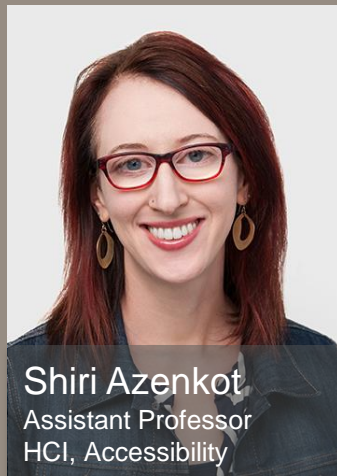


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FACULTY

TENURE TRACK



Shiri Azenkot
Assistant Professor
HCI, Accessibility

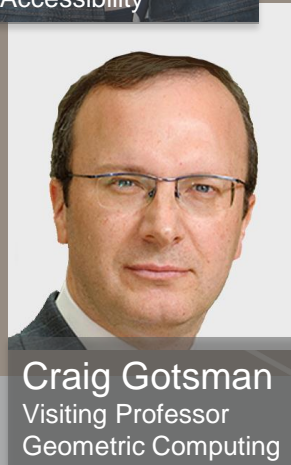


Ari Juels
Professor
Cryptography, Security

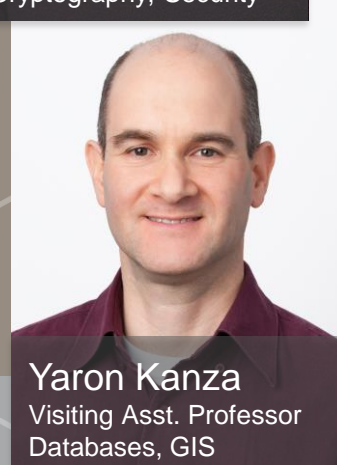


Mor Namaan
Associate Professor
Social Data

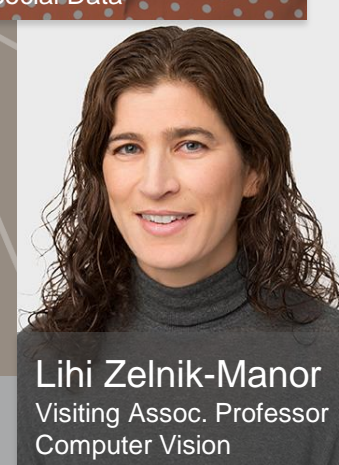
VISITORS



Craig Gotsman
Visiting Professor
Geometric Computing

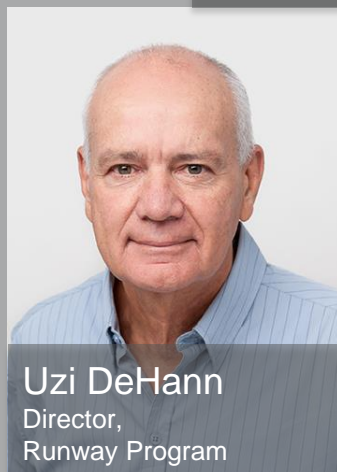


Yaron Kanza
Visiting Asst. Professor
Databases, GIS

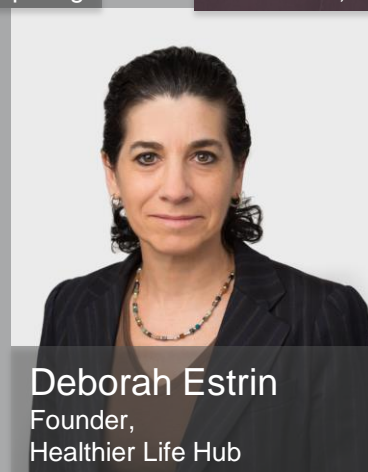


Lihi Zelnik-Manor
Visiting Assoc. Professor
Computer Vision

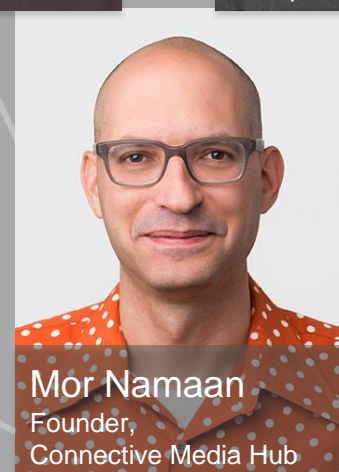
LEADERS



Uzi DeHann
Director,
Runway Program



Deborah Estrin
Founder,
Healthier Life Hub



Mor Namaan
Founder,
Connective Media Hub



Adam Schwartz
Director,
Jacobs Institute

Runway Postdoctoral Startup Program



Unique postdoctoral entrepreneurial program pioneering a novel Intellectual Property model

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VISION

Driver of change
Driver of synergy within Cornell Tech

For Cornell, Technion and beyond

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VISION

Driver of change
Driver of synergy within Cornell Tech

For Cornell, Technion and beyond

View at grass-blade level

COOPERATION = SYNERGY

New Cornell Tech-Technion collaborations (few)
Joint 3-way security seminar (Rafael Pass)
New agreements

Objective difficulty in collaboration (distance)
Faculty
Graduate students

No incentive structure

No strategic plan for cooperation

No strategic plan for hiring

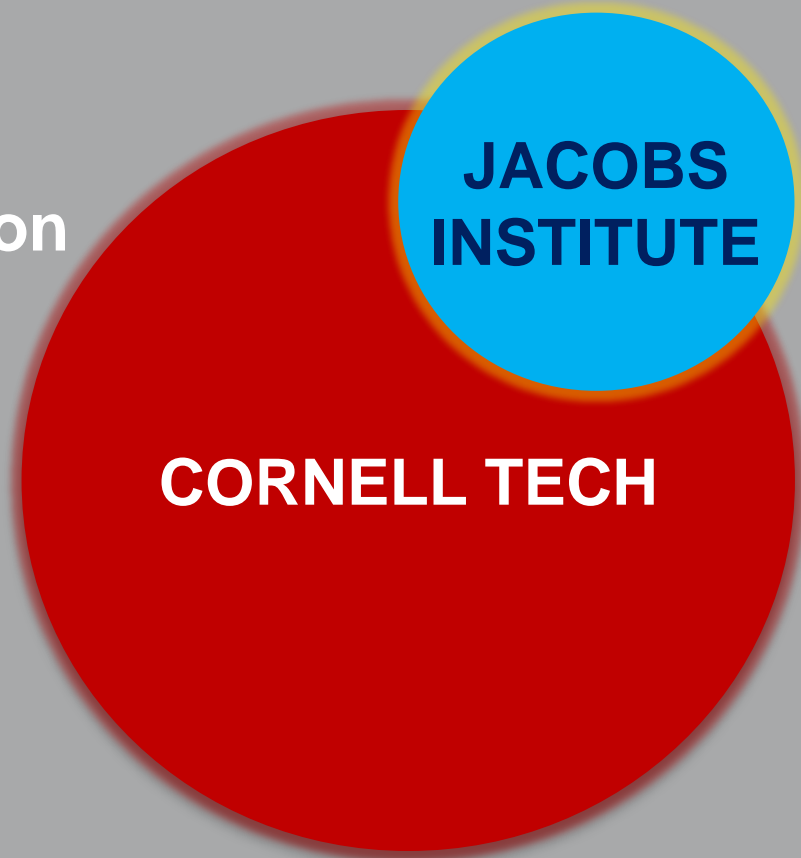
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2020

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2020

NEW INITIATIVES - executed

- Sizable collaborations across campuses
 - Faculty
 - Research Graduate students
 - Seminars
 - Workshops
- Remote classes across sites, shared planning and execution of online modules
- Rollout of Cornell Tech/Jacobs experiments

2020

NEW INITIATIVES - executed

- New structure for collaborative appointments
Cornell Tech, Weill, Cornell, Technion
- New structure for Non-Tenure Track faculty
- Shared infrastructure
- Coordination of strategic planning

2035 – SPECULATION

How is education done?
Information/practice, passive/active

Sharing at the module level: design, teaching, learning
Lab and projects: cross campus teams

Meaning of physical proximity?
Shared resources (physical)
Cross campus field structure
Field/department roles

Predominance of disciplines:
hubs complementing departments

Meaning of “place of work”? Follow global trends



2035

SPECULATION

Global trends: technology

SW/HW

Exact/human



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