

CornellEngineering

Strategic Plan

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Aspiration

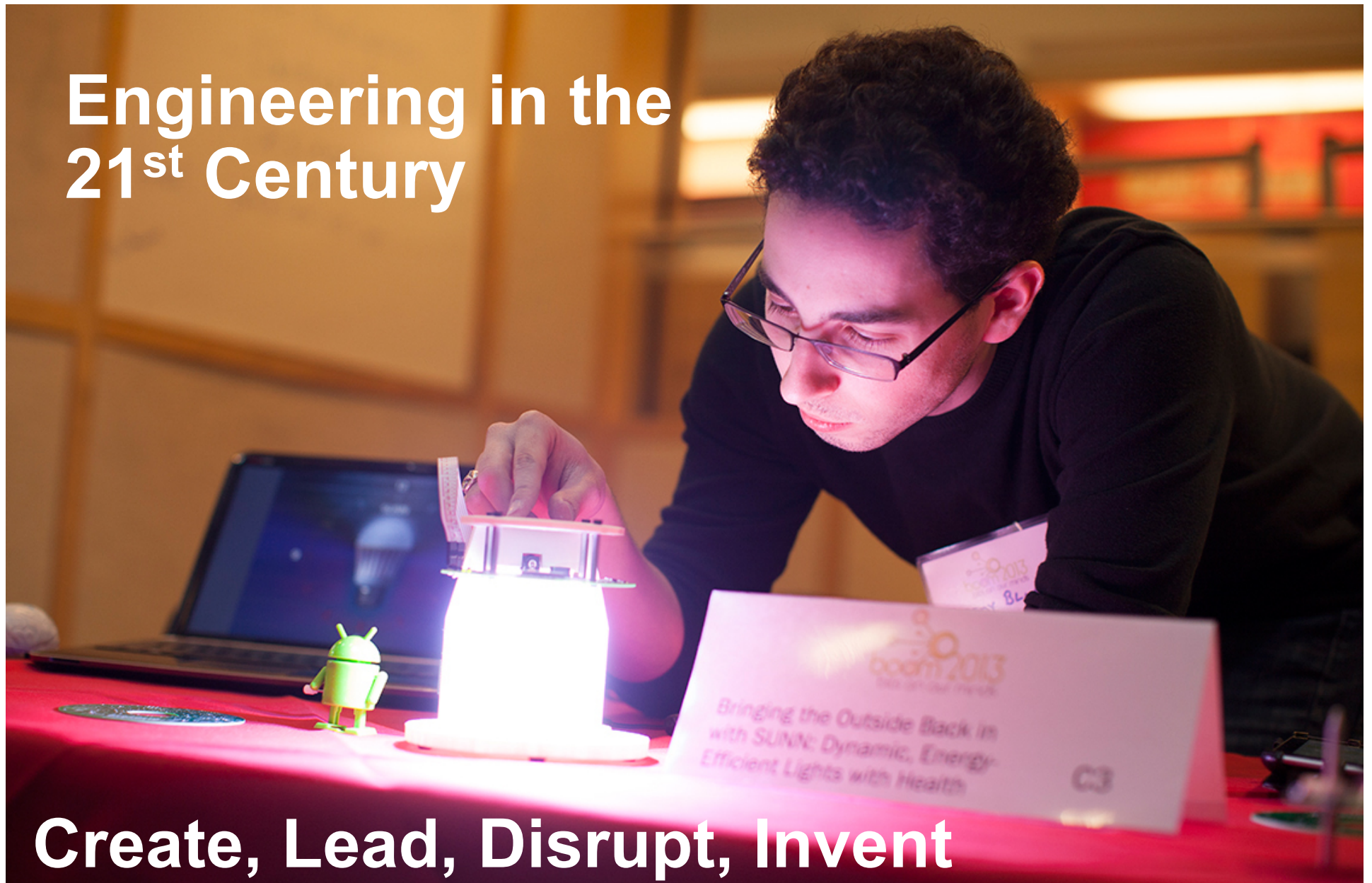
The College of Engineering at Cornell University will be widely recognized as a top ~~five~~ three engineering college in undergraduate and graduate studies

Enabling Goals:

1. To recruit, retain and enable a **diverse** community of exceptional faculty, students and staff
2. To educate undergraduate and graduate students to become **global leaders**
3. To be world leaders in important areas of research
 - a. to sustain and expand our leadership role in: **advanced materials; complex systems, network science and computation**
 - b. to be the premier research university in the emerging areas of: **energy and the environment; and bioengineering**
4. To increase our interactions with industry; and create a fertile environment for **entrepreneurial activities** for faculty and students

NEW EDUCATIONAL PARADIGM

Engineering in the 21st Century



Create, Lead, Disrupt, Invent

CornellEngineering





**Grounded in Rigorous
Fundamentals**

CornellEngineering





Putting classroom knowledge to the test

CornellEngineering



Cornell's Experiential Programs

Learning By Doing

Project Teams (Swanson endowment)

eLab/PopShop and eHub Expansion

Business Minor with the Dyson School

Engineering Leadership Program

Product Design and Manufacturing Institute

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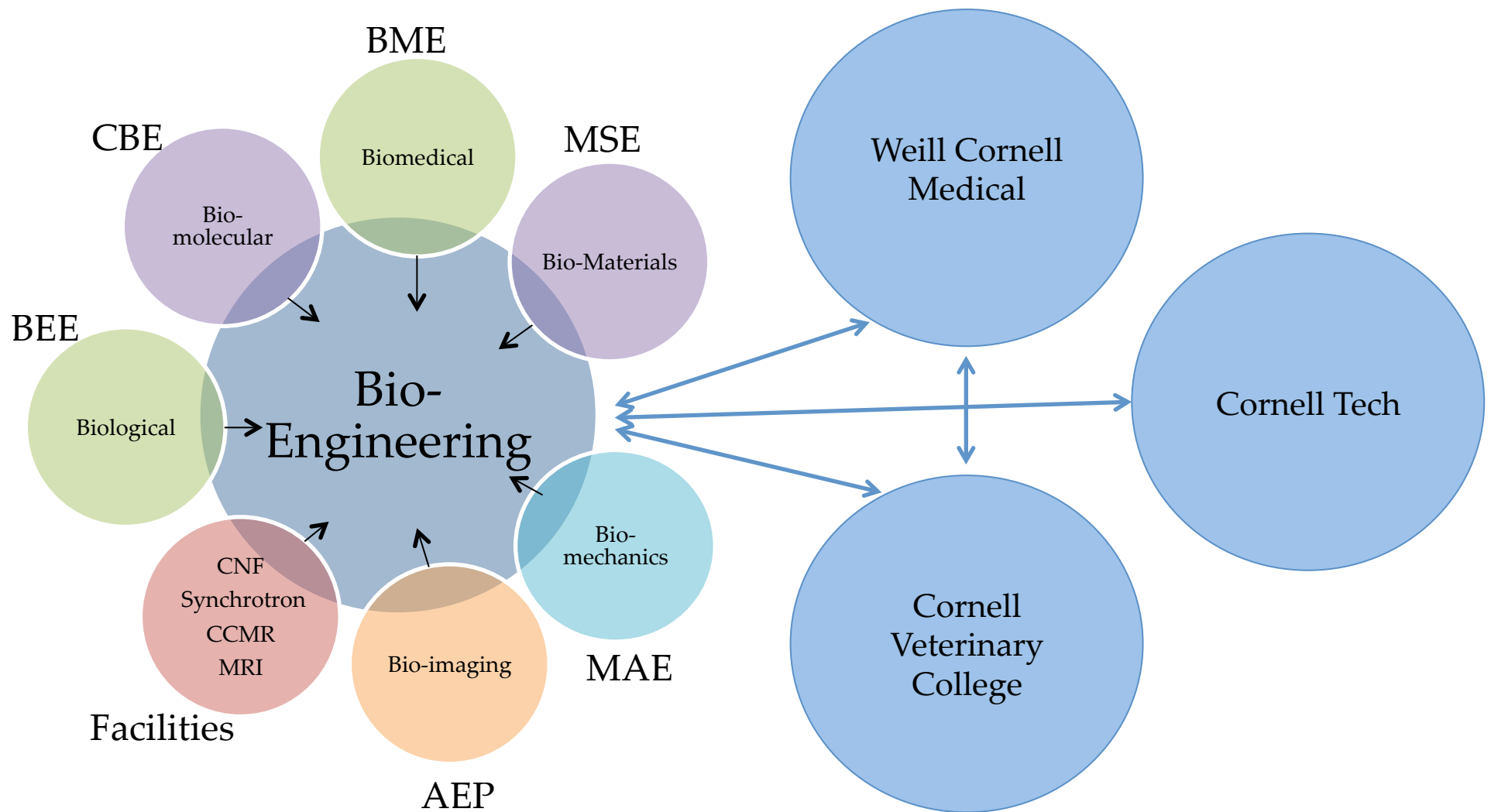
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BIO ENGINEERING



ENERGY

Energy Institute

Hydrocarbon Extraction
Sequestering Carbon
Renewable Energy Sources
Distribution/Management
Energy Storage

ACSF

Environment
Energy
Economic Development

Living Laboratory

CornellEngineering



ADVANCED MATERIALS

CCMR

CNF

CHESS

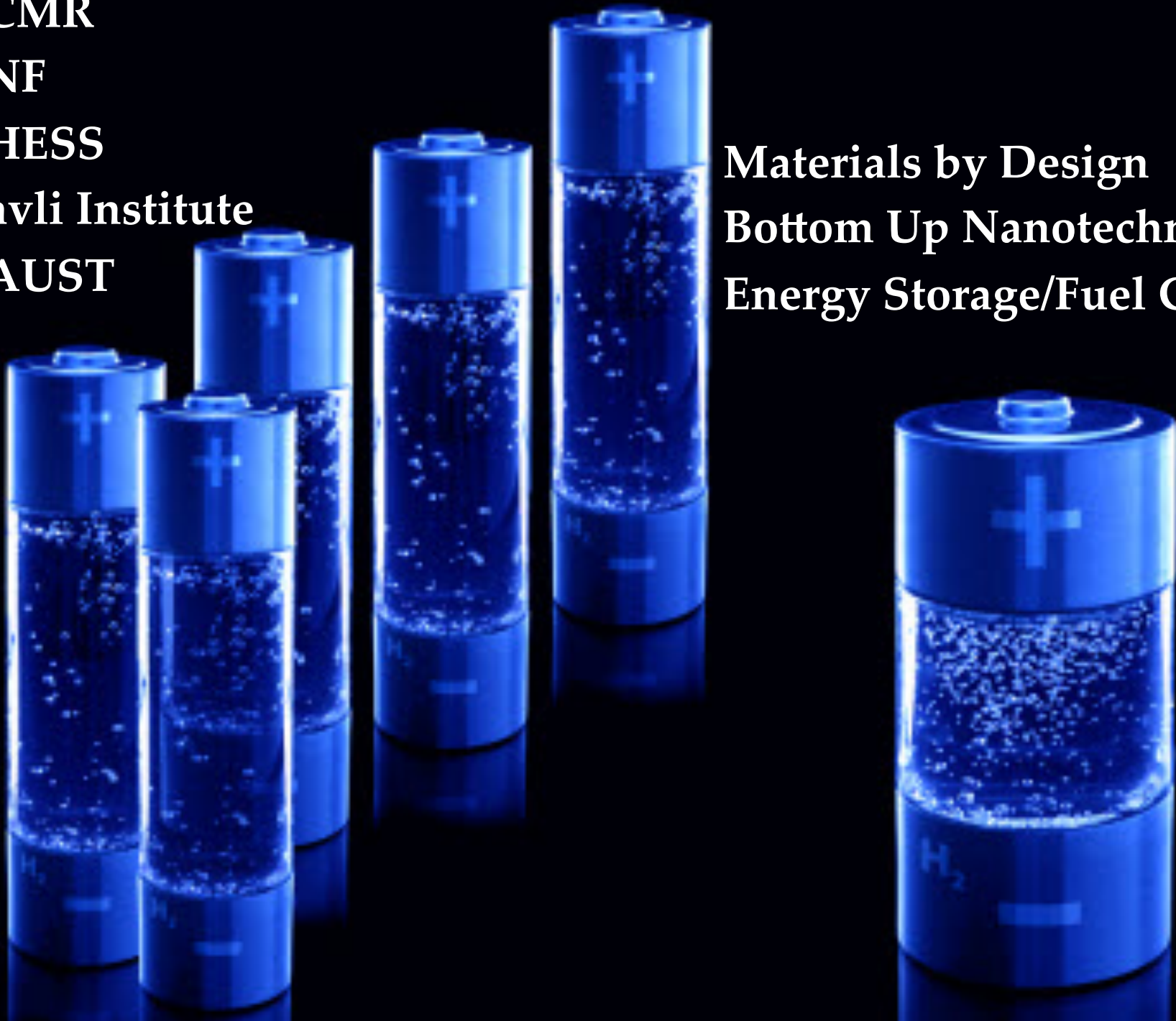
Kavli Institute

KAUST


Materials by Design

Bottom Up Nanotechnology

Energy Storage/Fuel Cells



COMPLEX SYSTEMS, NETWORK SCIENCE AND COMPUTATION



Underpinnings for Cornell Tech
Institute for Computational Sustainability (ICS)
Institute for Computational Science and
Engineering (ICSE)
Big Data and Machine Learning
Leveraging Cornell Tech
Entrepreneurship in Ithaca (eHub)

CORNELL TECH

Transforming a University and a City



CornellEngineering



PATH TO THE FUTURE

An aerial architectural rendering of the proposed Cornell College of Engineering campus for 2025. The image shows a large, modern academic complex with multiple interconnected buildings featuring glass facades and flat roofs. A central green courtyard with a geometric path system is a focal point. Surrounding the main complex are various other structures, including a large stadium with a baseball field, several parking lots, and a dense forest. The text "College of Engineering 2025" is overlaid in the upper right.

College of Engineering 2025

CornellEngineering



20 years to goal

Time to Begin is Now!

**Every Shoulder to the Wheel...
(Faculty, Students, Alumni)**

DISCUSSION