

# QUICK FACTS

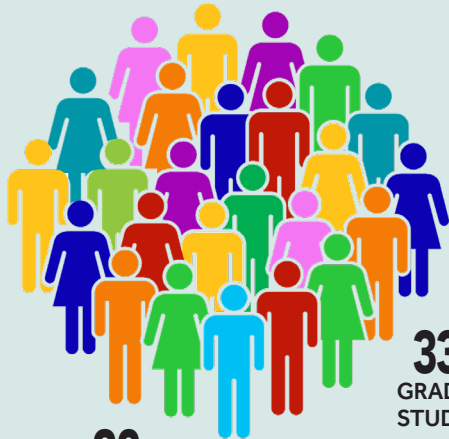
INNOVATION PARTNERSHIP BUILDING  
UCONN TECH PARK



>600 UCONN AFFILIATES  
FROM 16 NATIONS

50  
STAFF

21  
POST-DOCS



32  
UNDERGRADUATE  
STUDENTS

331  
GRADUATE  
STUDENTS

184  
AFFILIATED  
FACULTY

~ \$225M

APPLIED RESEARCH  
AND DEVELOPMENT

COMPANY  
OUTREACH

350

industry and  
government visitors

IPB INITIATIVES AND  
COLLABORATIONS

- Senior Design Projects
- Climate Venture Studios
- Professional Training and Education

SME  
SUPPORT



Industry Focused



Manufacturers in  
Connecticut



Municipalities and  
Regional Communities

## HIGH TECH INSTRUMENTS

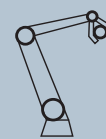
- 2 Reverse Engineering (X-Ray Tomography) Analytics
- 6 Focused Ion Beam Milling SEMs
- 6 Electron Microscopes
- 7 Manufacturing And Materials Processing Machines
- 10 3D Printers
- 12 Materials Testing Machines
- 2 X-Ray Characterization Machines
- 2 Optical and digital Microscopes
- 1 Robot/Automation
- 1 In-Situ Electron Microscope
- 1 Circuit Editing
- 1 Reverse Engineering
- 9 Water Filtration
- 3 High Speed Computation
- 1 RTDS Power System Testbed

## ENERGY/SUSTAINABILITY



- Utility Companies
- Energy Storage
- Separation Technologies
- Water Filtration
- Clean Energy

## ENTREPRENEURSHIP AND SME SUPPORT



- Rapid Prototyping
- Manufacturing Simulations
- Robotics
- Machine Learning
- Industry 4.0

## DEFENSE/MATERIALS



- Airforce Research Lab
- Naval Technologies
- Electron Microscopy
- X-Ray Tomography
- Custom Materials Design
- Aerospace Materials

## CYBERSECURITY



- Hardware Assurance
- Cyber-physical Security
- Big Data
- Information Technology
- Artificial Intelligence
- Data Science
  - Finance
  - Insurance
  - Engineering

# QUICK FACTS

INNOVATION PARTNERSHIP BUILDING  
UCONN TECH PARK



## RESEARCH CENTERS

### UConn Thermo Fisher Scientific Center for Advanced Microscopy and Materials Analysis (CAMMA)

Established November 2014  
Investment \$25,000,000  
Director: Steven L. Suib, PhD



### Collins Aerospace Center for Advanced Materials

Established October 2016  
Investment \$3,200,000  
Director: Steven L. Suib, PhD



**Collins Aerospace**

### Pratt & Whitney Additive Manufacturing Center (PW AMC)

Established April 2013  
Investment \$7,500,000  
Director: Rainer Hebert, PhD



### Pratt & Whitney Institute for Advanced Systems Engineering (PW IASE)

Established April 2013  
Investment \$47,900,000  
Director: George Bollas, PhD



### Reverse Engineering Fabrication Inspection and Non-Destructive Evaluation (REFINE)

Established 2017  
Investment \$9,000,000  
Director: Sina Shahbazmohamadi, PhD



### Project Daedalus – Air Force Advanced Manufacturing Initiative

Established August 2018  
Investment \$18,100,000  
Director: Pamir Alpay, PhD



### National Institute for Undersea Vehicle Technology (NIUVT)

Established January 2018  
Investment \$36,200,000  
Co-Director: Richard Christenson, PhD



### UConn DENSsolutions Center for IN-situ/Operando Electron Microscopy (InToEM)

Established May 2019  
Investment \$500,000  
Director: Yuanyuan Zhu, PhD



### Eversource Energy Center

Established October 2015  
Investment \$44,300,000  
Director: Emmanouil Anagnostou, PhD



### Center for Science of Heterogeneous Additive Printing of 3D Materials (SHAP3D)

Established July 2018  
Investment \$5,500,000  
Director: Anson Ma, PhD



### Connecticut Center for Applied Separations Technology (CCAST)

Established July 2013 (Fraunhofer Center, relaunched spring 2020 (CCAST))  
Investment \$13,000,000  
Director: Jeffrey McCutcheon, PhD



### Center for Materials Processing Data (CMPD)

Established October 2019  
Director: Lesley Frame, PhD



### Proof of Concept Center (POCC)

Established March 2016  
Investment \$500,000  
Director: Joseph Luciani, PhD



### Connecticut Manufacturing Simulation Center (CMSC)

Established October 2016  
Investment \$3,400,000  
Director: Jeongho Kim, PhD



### Connecticut Advanced Computing Center (CACC)

### Center for Hardware and Embedded Systems Security and Trust (CHEST)

Established July 2018  
Investment \$8,500,000  
Director: John Chandy, PhD



### Comcast Center of Excellence for Security Innovation (CSI)

Established July 2018  
Investment \$7,500,000  
Co-Director: John Chandy, PhD, Laurent Michel, PhD



### Synchrony Center of Excellence in Cybersecurity

Established October 2016  
Investment \$3,200,000  
Director: Laurent Michel, PhD

