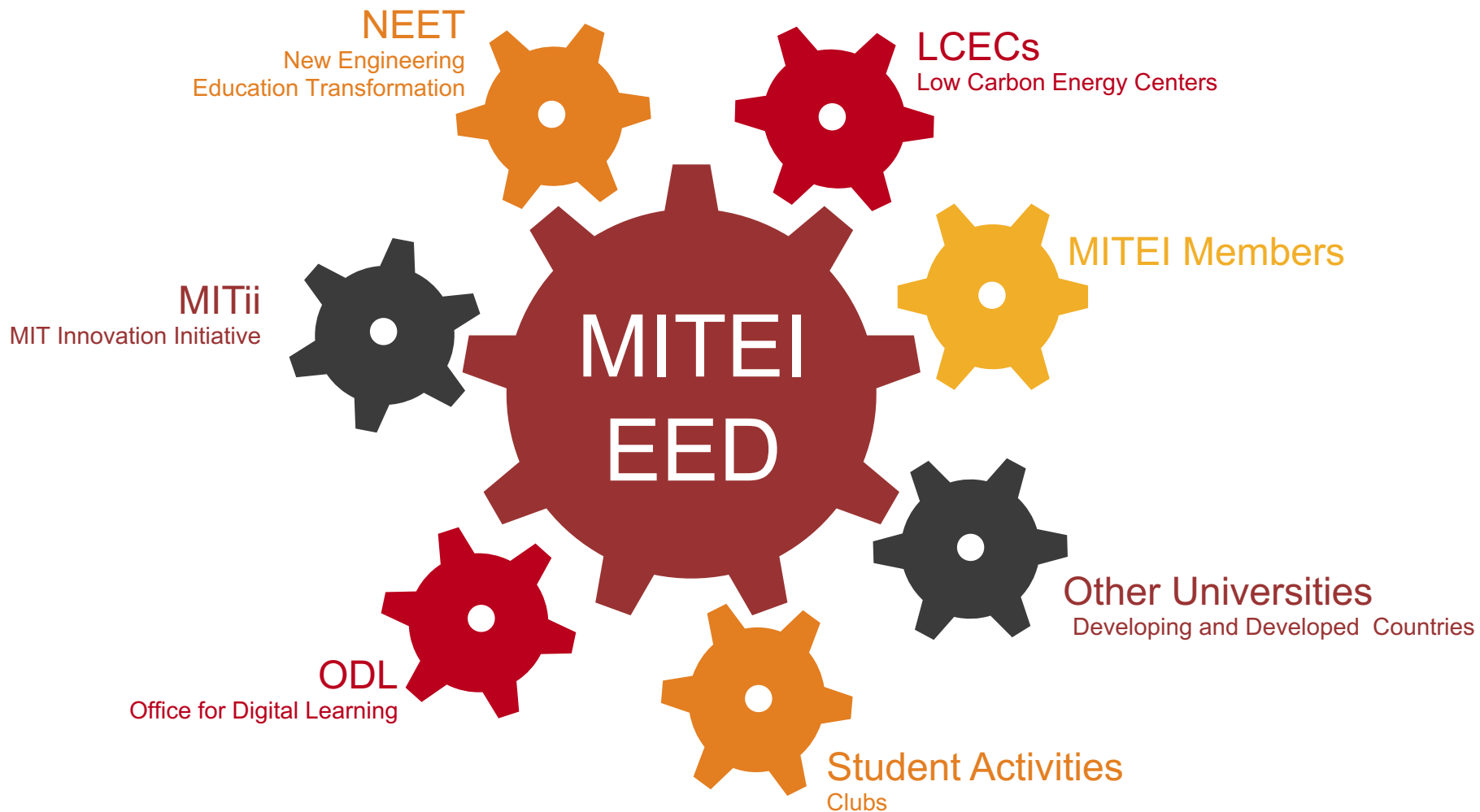


# MITEI Energy Education

Antje Danielson  
Director of Education

# HUB for Energy Education at MIT

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## The Challenge .....

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Providing ample energy to a growing world population while decarbonizing the energy system in a critical time frame

# Education solves for Workforce and Urgency...

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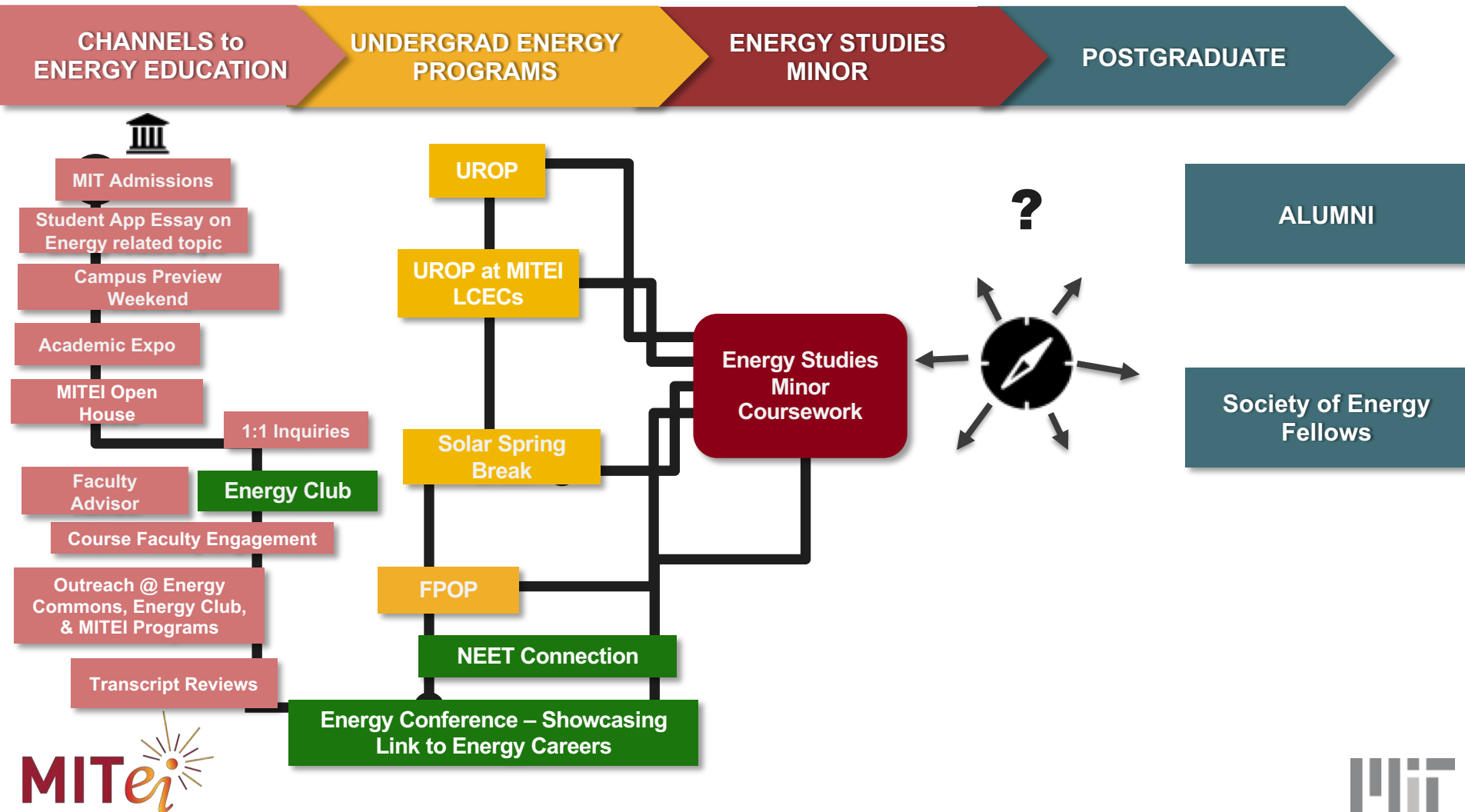
We must:

Recognize people as core to achieving a rapid energy transition



How do we position students to become change agents?

# MITEI to Energy Studies Minor .....



# Status Quo ..... Vision

	Undergraduates @ MIT	Master Level, Global	PhD/Post docs @ MIT	Alumni Globally
Classroom/ Online	ENE Minor	Online Courses	ENE TA/Instructor	Engagement with Students
Student Research	ENE UROP	ENE Fellows	ENE Fellows	Support of ENE Programs
Practice/ Immersion	Solar Spring Break, MISTI	MISTI, Practice School	Practice School	Host MISTI Students
Network	ENE FPOP, MITEI ARC	Global Student Exchange	Global Student Exchange	Society of ENE Fellows

Building a comprehensive education ecosystem

# Undergraduate Research Opportunities .... UROPs

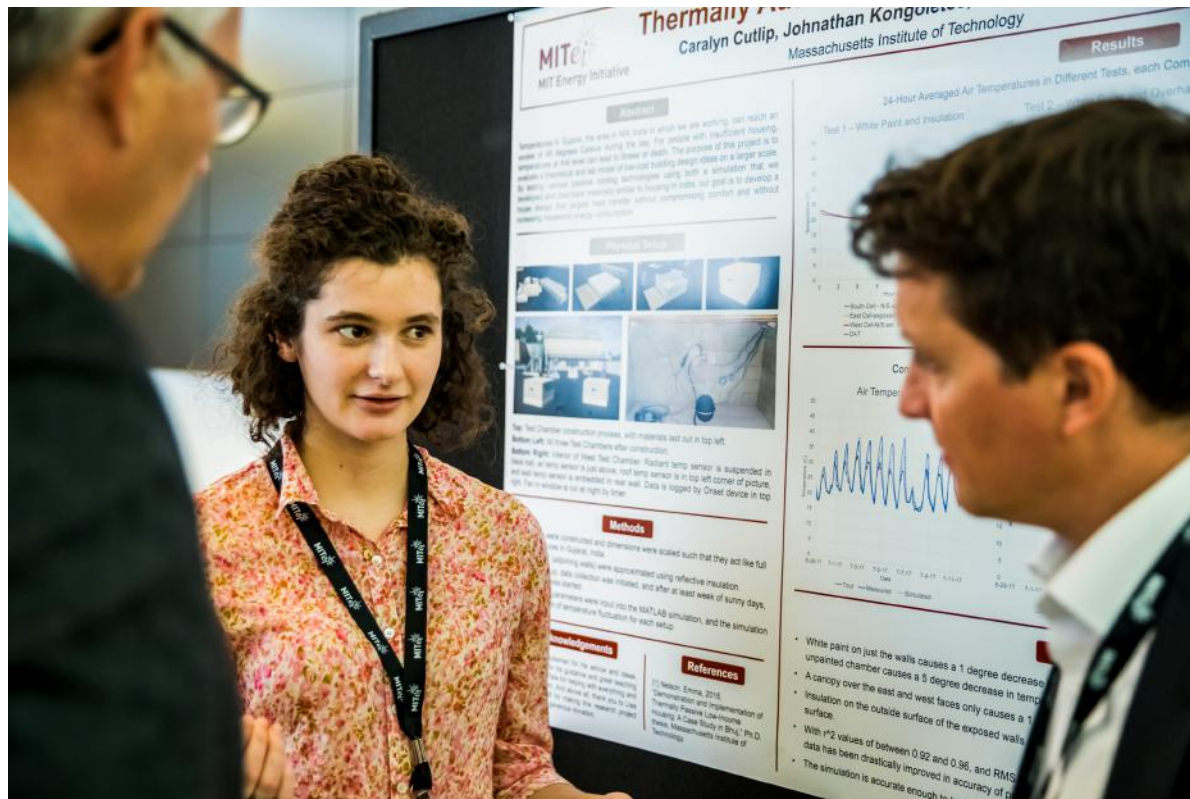
## Caralyn Cutlip

Class of 2018, Course 12: Mechanical engineering  
Summer 2017

Advisor: Leon Glicksman, Professor, Architecture and Mechanical Engineering

Direct Supervisor: Jonathan Kongoletos, Graduate Student, Architecture

Poster Title: Thermally Autonomous Low-Cost Housing in India





# Graduate Student Research ..... Fellows

## Nimrod Heldman

Biological Engineering

2017/18 Shell Fellow

Advisor: Angela Belcher, Professor of Biological Engineering and Material Science





# Immersion ..... MISTI

## Daniel Shipchandler

Class of 2020, Course 10: CHEMICAL engineering

Summer 2018, Bangalore, India

Supervisor: Dhairya Mehta

Daniel worked with the Novel Catalytic Materials group within Shell. His project involved creating a process model for a reactor which converts biomass to hydrocarbon fuels in a process known as IH<sup>2</sup>®.

