

# GETTING READY FOR THE DIGITAL TRANSFORMATION

CHALLENGING HIGHER EDUCATION IN THE  
DIGITAL ERA

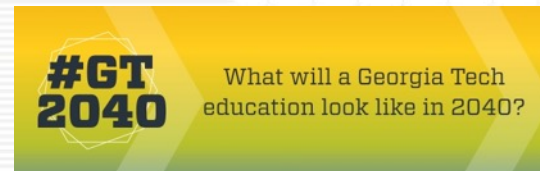
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CREATING THE NEXT®

# FOR TWO YEARS WE GATHERED IDEAS FROM AROUND THE WORLD



- Extensive discovery phase
- Town hall meetings
- Innovators' workshops
- Symposia and panels
- Thought leadership speaking at international meetings
- Participation in USG strategy process
- GTFire pilot projects
- Facilitated ideation
- Student ideation projects
- Weekly meetings and lunches
- Structured innovation via FlashPoint
- openIDEO Challenge
- Speakers, visitors, and consultants
- Social media and blogs
- #GT2040



## DISAPPEARING BOUNDARIES

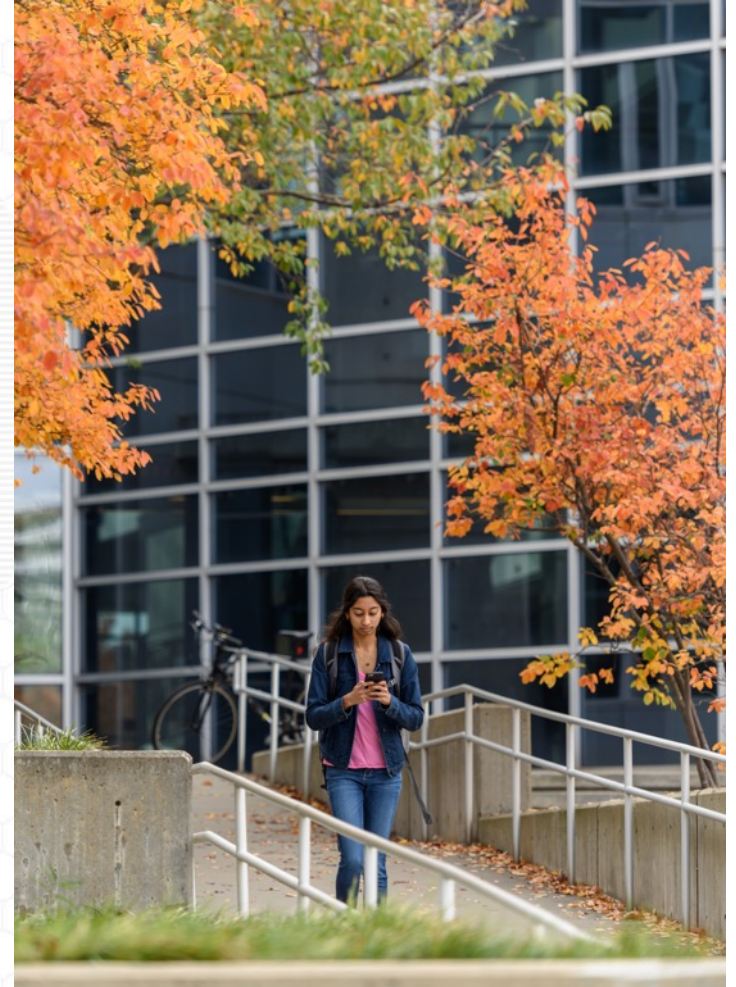
- K-10
- Episodic
- Graduate engagement

## CHANGING DEMOGRAPHICS

- Shrinking number of 18 year-olds
- Decreasing % of high school graduates choosing college
- Increasing diversity

## IRON TRIANGLE

- New learners – access
- Economies of Scale – affordability
- Unique learning experience -- excellence







## CHANGING NATURE OF WORK

- Globalization
- Automation & Productivity
- Churn of Knowledge
- Gig economy

## NEEDS AND CAPABILITIES

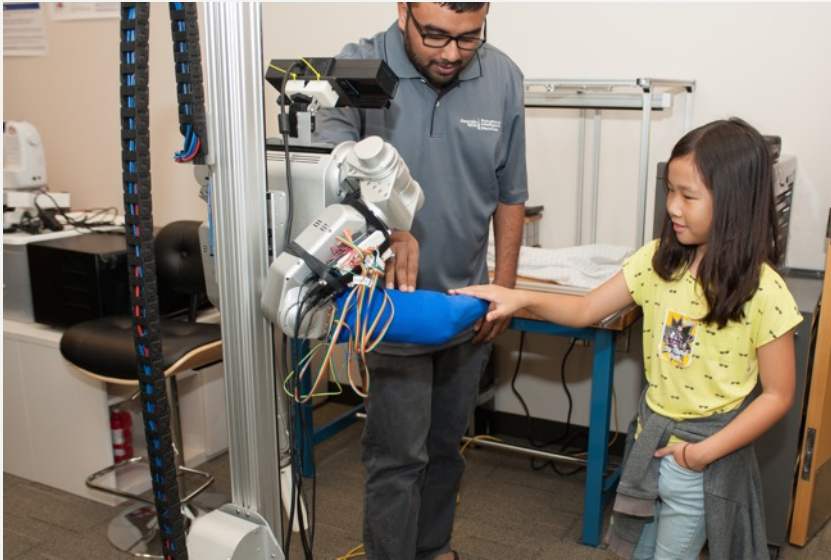
- Agility
- T-Shaped thinkers
- 21st century skills

## SCIENCE & TECHNOLOGY OF EDUCATION

- Cognitive Science & Behavioral Economics
- Ascendancy of Data
- Convergence of technologies

COMMISSION ON  
**CREATING THE NEXT®**  
IN EDUCATION





## ***Making the Georgia Tech Commitment a reality:***

- Eliminate artificial barriers between conventional schooling and higher education.
- Allow flexible calendars and pathways through Georgia Tech.
- Award new kinds of credentials that recognize continual learning.
- Build a Georgia Tech network around the globe.
- Provide an advising and coaching network for life.



# INITIATIVE #1

## WHOLE PERSON EDUCATION



Experiential Learning

Globalization at Home

Professional Development  
for Graduate Students

Whole Person Curriculum



# INITIATIVE #2

## NEW PRODUCTS AND SERVICES



Microcredentials

A Matrix of  
Minimester Classes

Credit for Accomplishment

Blockchain Credential Project



# INITIATIVE #3

## ADVISING FOR A NEW ERA



Prescriptive Advising  
Intrusive Advising  
Developmental Advising

Personalized Advising  
for a Lifetime

A Personal Board of Directors

# INITIATIVE #4

## ARTIFICIAL INTELLIGENCE & PERSONALIZATION



**AI-enabled personalized  
learning system**

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**AI-based, adaptive learning  
platforms for mastery  
learning**

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**Human-centered AI**





# INITIATIVE #5

## A DISTRIBUTED WORLDWIDE PRESENCE



Georgia Tech atrium™

Living Library for  
Learning (L3)



CREATING THE NEXT®

# BECOMING DELIBERATELY INNOVATIVE



**Enhance Innovation Ecosystem**

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**Enhance Teaming by Bridging  
Organizational Silos**

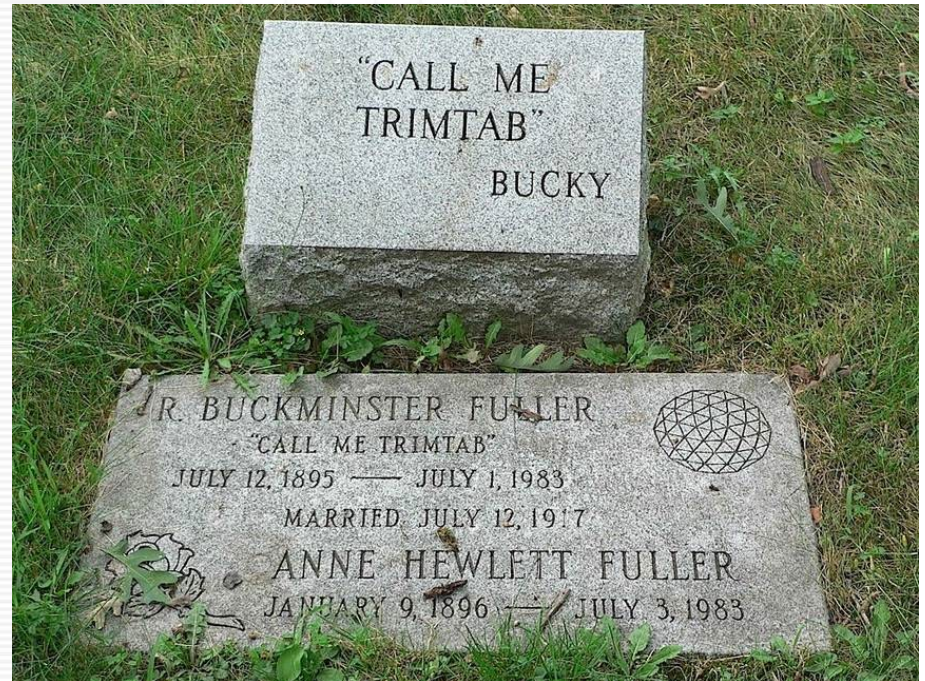
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**Motivate Individuals in the  
Innovation Process**



# SOME PERSONAL COMMENTS ON HOW TO ORGANIZE FOR INNOVATION

- Have a philosophy for change
  - Have a sense of the future
  - Anecdotes and gut feelings no match for data
  - Don't start with the current state
  - Don't fight the existing order, make it obsolete
- Be realistic: Universities can diversify but they can't become different creatures
- No artificial time constraints
- Don't fall for the curse of too much money
- Importance of culture



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