



UNIVERSITY
OF ILLINOIS
SYSTEM

ALTOGETHER EXTRAORDINARY

University Senates Conference Report

March 14, 2019

Prasanta Kalita and Gay Miller

Academic Affairs and Research Committee

Preparing a workforce

USC Committee – Academic Affairs and Research

Prof. Gay Miller, chair (UIUC)

Prof. Prasanta Kalita (UIUC)

Prof. Xiaoqing Li (UIS)

Prof. Aria Razfar (UIC)

Prof. Christopher Span (UIUC)

Prof. Michael Stroschio (UIC)

TEACHING, RESEARCH, AND PREPARING A LABOR FORCE

Education as life preparation Education as job training

Preparing informed, literate citizens Forming entrepreneurs

Nurturing cultural appreciation and creativity. Teaching practical skills

Developing understanding of others Emphasizing analytical skills

Implications for curricular design, recruitment, and funding models

How to survive in the age of automation

A SPECIAL REPORT



This graphic depicts that UI produces and engages:

- Lifelong learners
- Constant access of new information
- Students with a variety of media
- Students at all life stages
- Students work with various devices as they go through life
- Students help produce and do research with devices – both complex and simple



UIUC, Fine and Applied Arts, Architecture



- Students in art and design and architecture
- [SOFA CONNECT](#) - student design competition.
- Illinois team, one of six finalists.
- Designs built and displayed - 35,000 viewers.

<https://news.illinois.edu/view/6367/482199>

Imagine transformable structures:

- emergency structure transforms to match any disaster
- a building exterior that controls the amount of entering sunlight



<http://btn.com/2019/02/02/how-illinois-is-transforming-architecture-btn-livebig/>

Preparing a workforce

UIUC, Fine and Applied Arts, Dance

- Students connect with potential employers
- Internships, job shadowing, study abroad, laboratories, service learning projects, capstones building a prototype

We address society's global challenges –

food, health,
energy, water,
resource
management,
wellbeing.

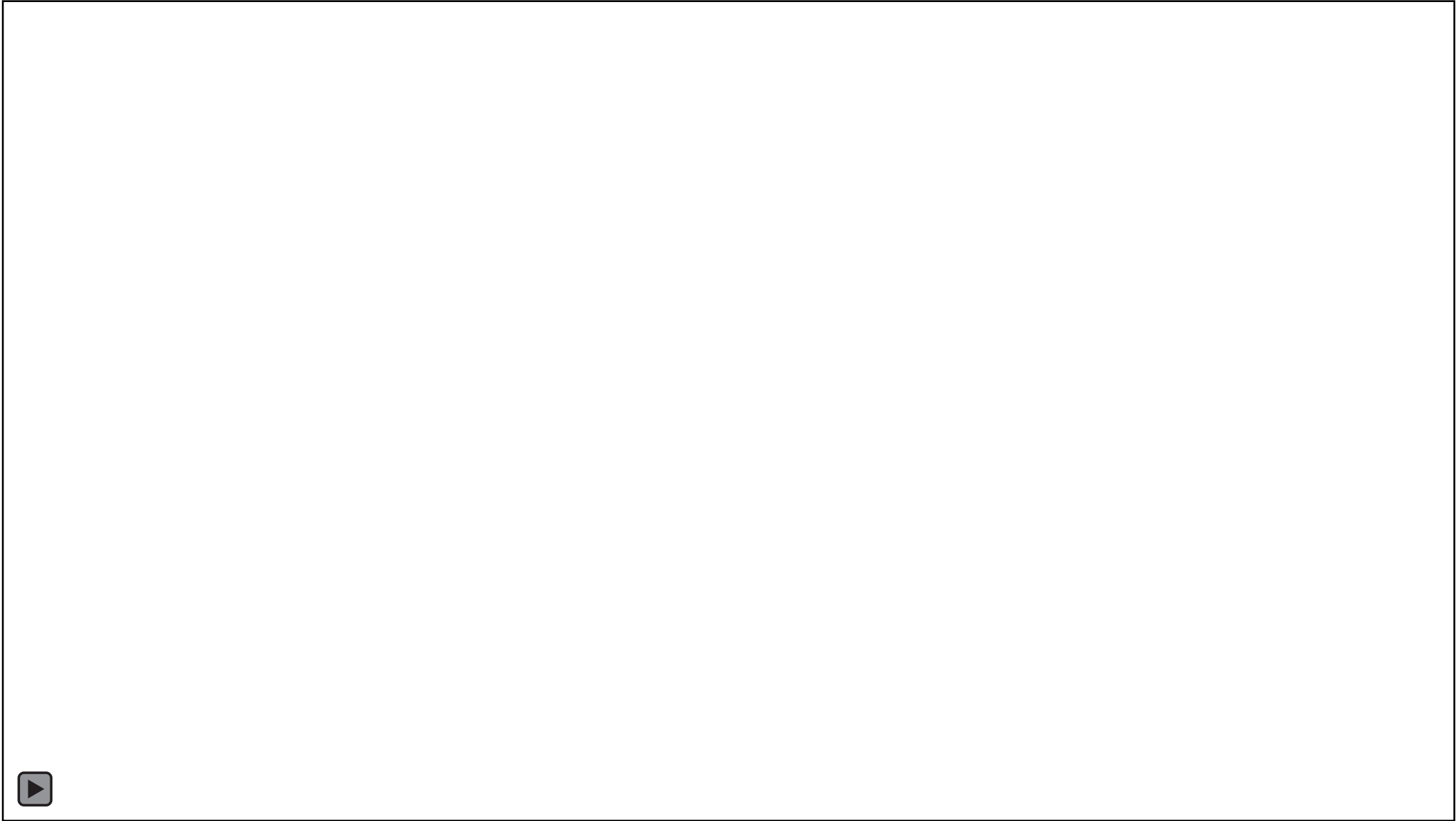




Preparing a workforce

Addressing: Society's grand challenges: Sustainable Water Supply. UIUC class on "Water in the Global Environment"

- 1st place video (first 2 minutes)





Preparing a workforce

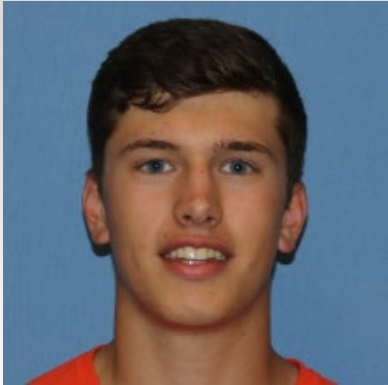
Addressing: Society's grand challenges: Sustainable Water Supply. UIUC class on "Water in the Global Environment"

- 3rd place video (end)





1st Place – Water Warriors



Tyler Angus
*Agricultural & Biological
Engineering*



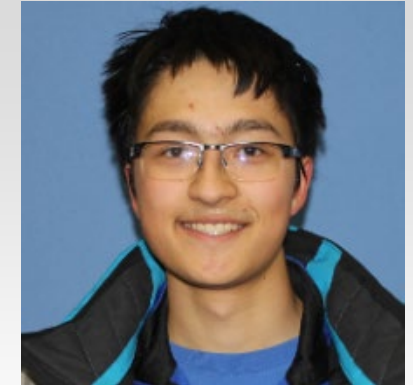
Giulia Barbieri
*Civil & Environmental
Engineering*



Rhea Bridgeland
*Natural Resources &
Environmental Sciences*



Abby Iuorio
*Civil & Environmental
Engineering*



Lyle Regenwetter
*Mechanical Engineering
Electrical Engineering*

3rd Place – Water Conservers



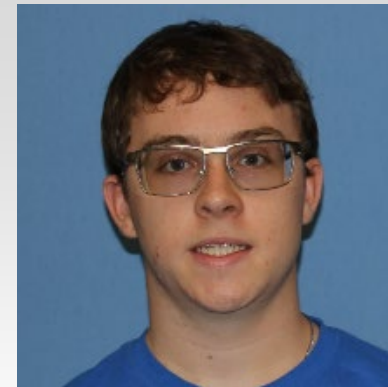
Nick Kasner
*Systems Engineering &
Design*



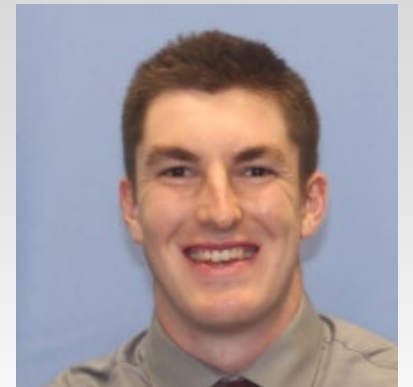
Dario Panici
*Nuclear, Plasma, &
Radiological Engineering*



Kyra Sadovi
Political Science



Robert Stavins
Mechanical Engineering



Sean Zwicky
Kinesiology

Interprofessional Education (IPE) and Collaborative Practice at UIC

- Diversity of programs offered at UIC
- Apply **team science** solving challenging problems.
- IPE) program in **7 health science colleges**
- Collaborative competence across health profession education



**Interprofessional Education (IPE)
and Collaborative Practice**



The Seven Health Science Colleges: Applied Health Sciences, Dentistry, Medicine, Nursing, Pharmacy, Public Health and Social Work

Multilingualism and Multiculturalism at UIC

Top 5 most diverse among US campuses:

Office for Access and Equity:

Diversity on the Job:

Managing Workforce Generations:

Understanding the four main generations:
Traditionals, Baby Boomers, Generation X,
and the Millennial Generation.

Partnerships with Community: (Education,
Linguistics & Medicine)



ELMSA
English Learning Through Math,
Science, & Action Research

Online Education at UIS

Online Majors (Spring 2019)

- Online majors 35.6% of UIS (1,494 out of 4,202 students)
- Online majors from:
 - 84 counties in Illinois
 - 46 states
 - 14 foreign countries
 - 1 US territory
- Online students are older:
 - 9.4 years for undergrads (32.5 vs 23.1)
 - 5.8 years older for MS (35.3 vs 29.5)

(<https://www.uis.edu/colrs/students/newsletter/national-distance-learning-week/>
<https://www.uis.edu/colrs/research/>)



Nicole Watts,
Student Government Association
– Online Student Senator

UIS – Among the Best Online Graduate Business Programs

**UIS Management Information Systems (MIS)
Ranked 33rd (tied) among 165 programs
nationwide by U.S. News in January 2019**



<https://www.usnews.com/education/online-education/university-of-illinois-springfield-OBUS0692/business>

<https://www.uis.edu/colrs/students/newsletter/2017-brunch-gallery/>



MIS graduates with their families

Many graduates celebrate!
Computer Science Graduates

Graduate Public Service Internship Program (GPSI) at UIS

The UIS GPSI

- ranked as one of Illinois' premier governmental internship programs.

For 45 years
provided top-flight education,
real world experience, and
lifelong networking connections.



Bredina Coale, right
GPSI intern 2018 Brian T. Milbrandt Memorial
Intern Award for Excellence Recipient.

Paula Jimenez, left
Bredina's internship supervisor.



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THANK YOU for listening!

Any Questions?



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