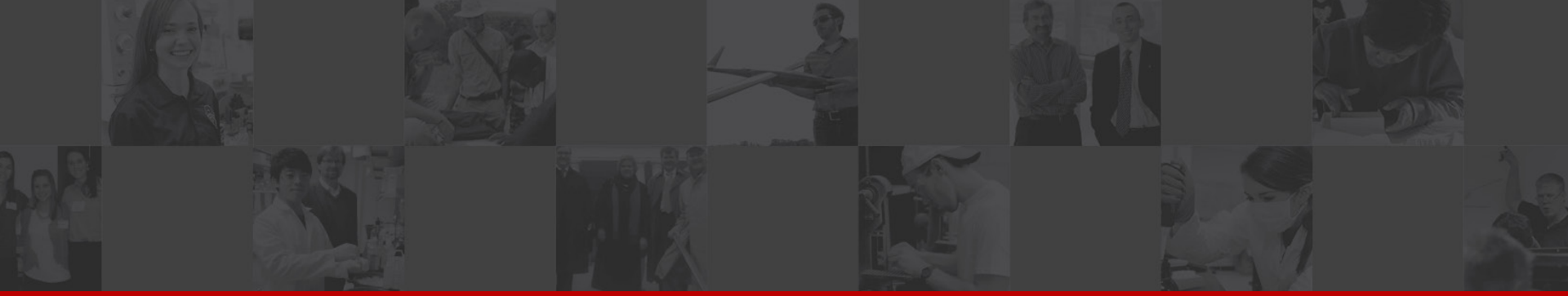


THE OHIO STATE UNIVERSITY
COLLEGE OF ENGINEERING

Policy and Engineering at Ohio State

Presented at the 2nd Sloan Foundation Workshop:
Linking Engineering and Public Policy

Rachel Garshick Kleit, PhD, Associate Dean

About Ohio State

Established 1870	Students 68,262	Publics Ranking	Research	Units
• Land Grant • Urban Serving	• Columbus • 53,669 Undergraduate • 11,285 Gradate	• 1st among Ohio • 17th among US	• Top 12 research university • 3rd nationally in industry sponsored research	• 18 Colleges and Schools • 200+ academic centers and institutes

Discovery Themes

Infrastruct. & Environment Health & Wellness Food Systems & Security Data Analytics

Chronic Brain Injury Materials & Manufacturing for Sustainability

Food for Wellness Sustainability Institute Data Analytics Institute Global Arts and Hum.

Engineering at Ohio State

Average ACT composite score:
30.8
for incoming first-year students

2,403 degrees awarded annually
- 1,705 Bachelor's -
- 530 Master's -
- 168 Doctorates -

1,000+ alumni are corporate CEOs, COOs, CTOs or Presidents

24 companies started by engineering faculty since 2014

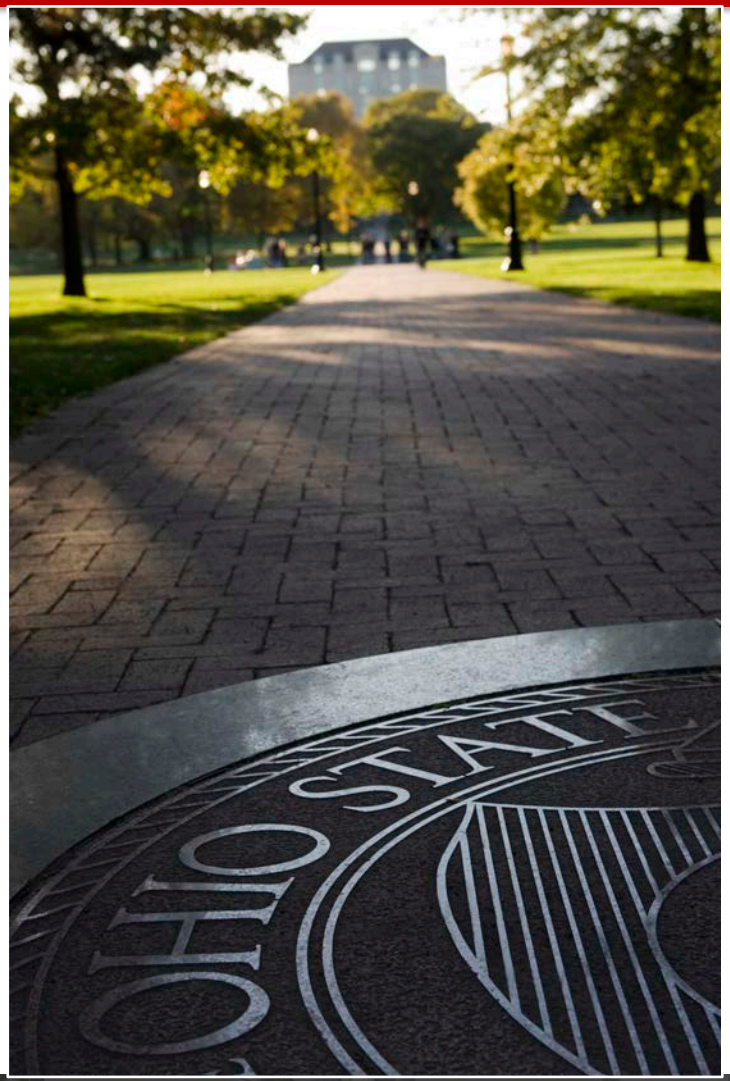
Over the last 4 years:

35% of faculty hires were **WOMEN**

11% of faculty hires were **DIVERSE MEN AND WOMEN**

R&D

#3 in the nation in industry research expenditures ($61.4 million)



Engineering at Ohio State

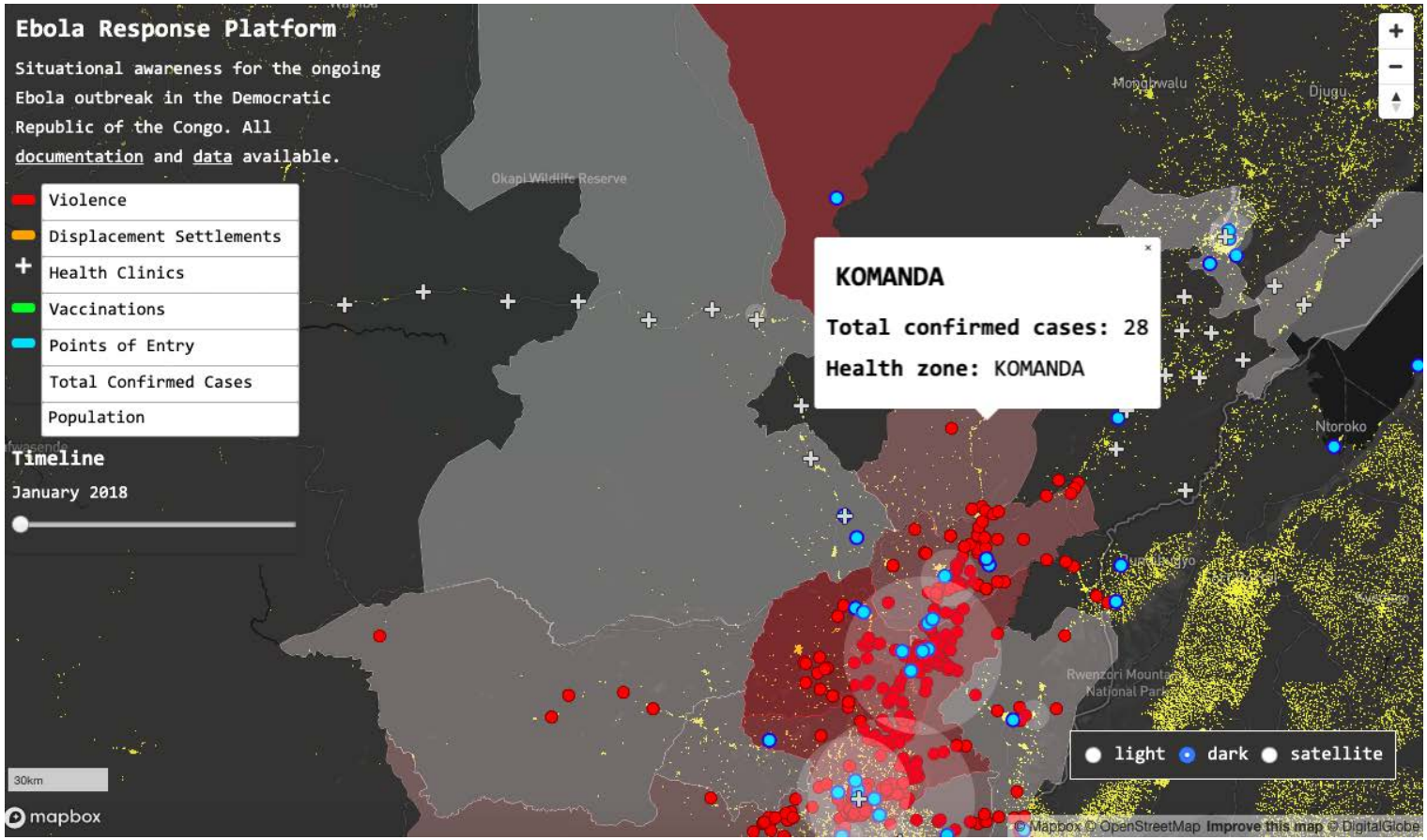
- Graduate/Undergraduate programs ranked 14th and 16th among public universities *(USNWR)*
- 380+ faculty members
- 2018 enrollment: 10,640 students
- 98% of incoming students ranked in top 25% of their high school classes
- 40+ research centers and laboratories with state-of-the-art facilities
- Student national champs and record holders:
  - > EcoCAR automotive engineering team & Spaceport America Cup rocket team ('17-'18)
  - > Venturi Buckeye Bullet, world's fastest electric vehicle (341mph)
  - > Autonomous drone world speed record (147mph over 28 miles)

Partners

THE OHIO STATE UNIVERSITY
COLLEGE OF ENGINEERING

JOHN GLENN COLLEGE OF PUBLIC AFFAIRS
Inspiring Citizenship, Developing Leadership

THE OHIO STATE UNIVERSITY
BATTELLE CENTER FOR SCIENCE, ENGINEERING, AND PUBLIC POLICY



Immersive, global education for undergraduates in student communities of practice and engagement (SCOPE):

Infectious diseases, Aerospace, Energy

Science, Engineering, and Public Policy (SEPP)

The Science, Engineering, and Public Policy minor acquaints students with the governmental roles and responsibilities surrounding science, engineering and innovation — an area where the United States spends more than $400 billion on research and development into areas such as national security, healthcare, transportation, energy and environment.

Minor

Academic Offerings

Take two of the following

Public Affairs/Environmental Engineering 5600: Science, Engineering and Public Policy (3)

Public Affairs 5610: Innovation, Policy, and the Global Economy (3)

Public Affairs 5750/5750H: The Business Government Relationship (3)

Thematic policy courses across four colleges and 11 undergraduate programs (4 in engineering):

- land use
- health
- food and agriculture
- science/engineering and society
- energy and the environment

Joint Faculty/Staff

John Horack

Neil Armstrong Chair in Aerospace Policy
Professor of Mechanical & Aerospace Eng
Professor of Public Affairs

intersection commercial spaceflight & aviation; role of civilian space agencies in the future; intersections of commercial, civil and national security activities…

Jeff Bielicki

Associate Professor of Civil, Environmental & Geodetic Engineering
Associate Professor of Public Affairs

energy; climate change adaptation, interactions between energy; environmental systems and policy…

Liz Newton

Director, Battelle Center for Science, Engineering, and Technology
Clinical Assistant Professor of Integrated Systems Engineering

Science and technology policy; training future technology workforce

Challenges

Common Goals

communication

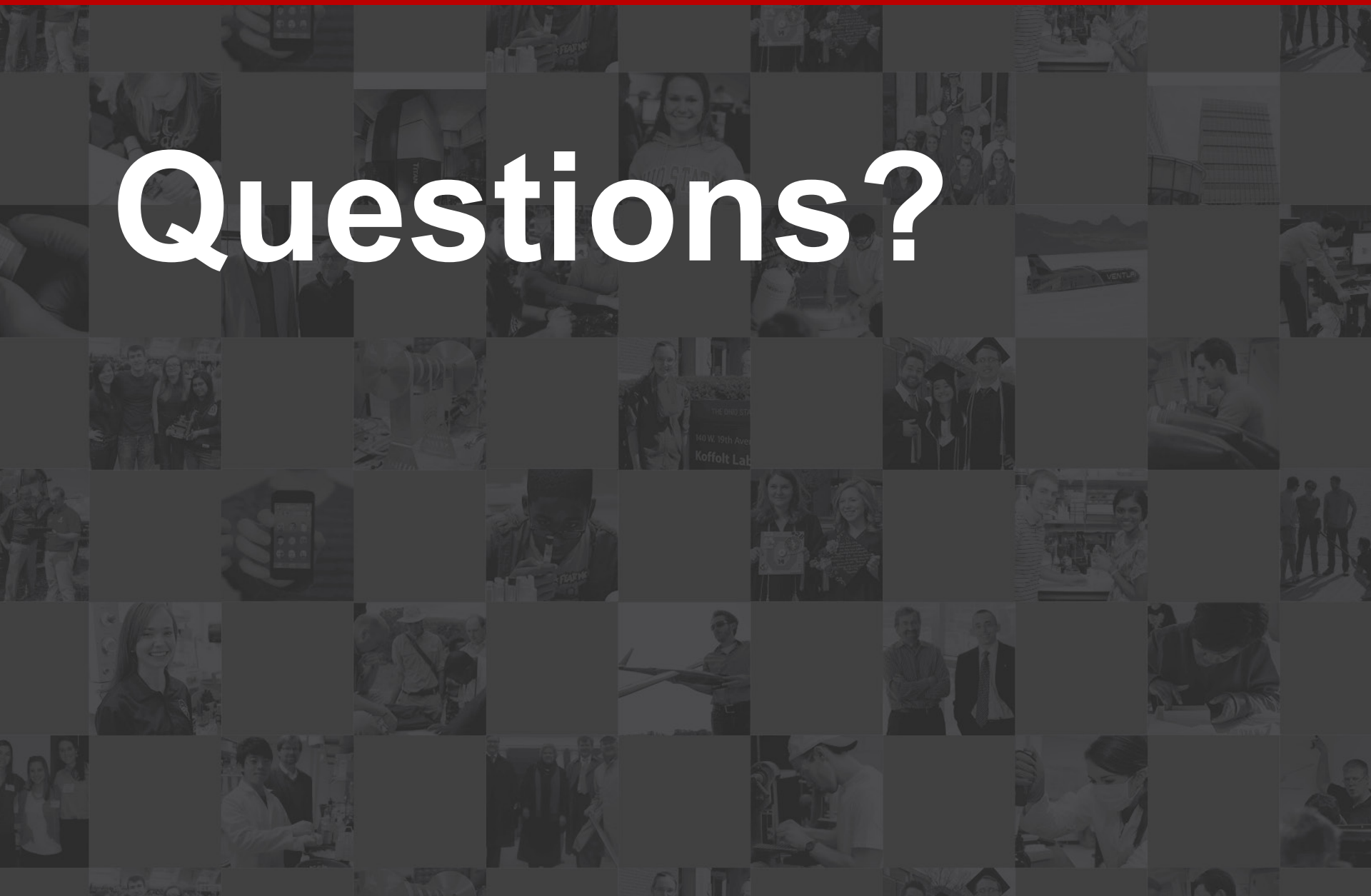
All levels

Hiring Joint faculty

distinct assessments of excellence

Promotion and Tenure

navigating disciplinary divides



Questions?