

Elevating Ideas Since 1944

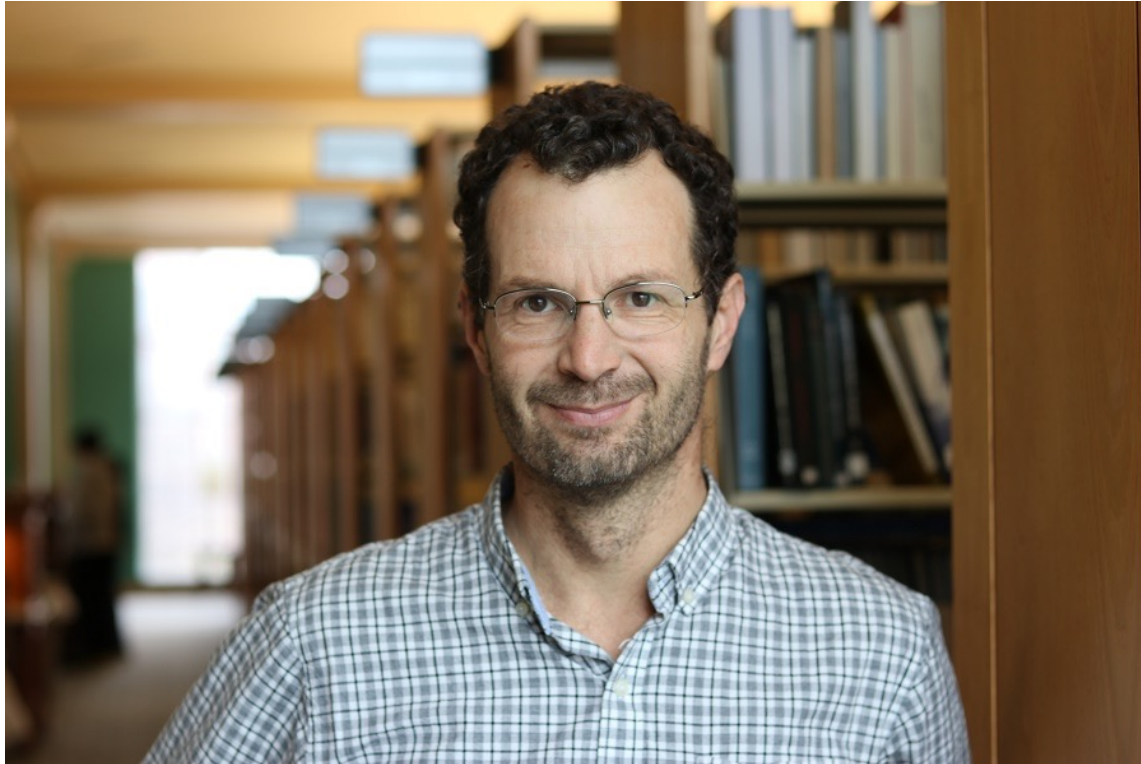
August 2021
New Graduate Student Welcome



**Grainger College
of Engineering**

UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN

Aerospace Engineering



Jonathan B. Freund
10th AE Department Head
Donald Biggar Willett Professor

BS, MS, PhD from Stanford University
3 years at University of California, Los Angeles
2001 Assistant Professor
2004 Associate Professor
2006 Joined AE 33 percent
2010 Professor
2020 Department Head



**Grainger College
of Engineering**

UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN

Aerospace Engineering
Elevating Ideas Since 1944

FACULTY

26 faculty members (+1 January '22)
12 affiliate faculty members
8 adjunct faculty
10 emeritus faculty
75+ current research grants



GRADUATES

\$70,000 starting salary with a BS
4,912 current alumni worldwide



STUDENTS

547 undergraduate students
199 graduate students
22 PhDs granted
9 registered student organizations



RANKINGS

9th-ranked undergraduate program in the U.S.
6th-ranked graduate program in the U.S.



FUNDING & FACILITIES

\$9-million research expenditures
25+ laboratories and research centers
10 interdisciplinary research centers
3,800 sq ft of composite manufacturing and CubeSat labs



**Grainger College
of Engineering**

UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN

Aerospace Engineering
Elevating Ideas Since 1944

It's all about the people. Reach out to us.



**Grainger College
of Engineering**

UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN

Aerospace Engineering
Elevating Ideas Since 1944

AE Faculty, Loosely Arranged

Aerodynamics, fluid mechanics, combustion, and propulsion



Phil
Ansell



Dan
Bodony



Greg
Elliott



Jonathan
Freund



Andres
Goza



Debbie
Levin



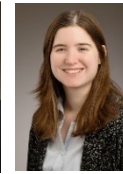
Francesco
Panerai



Marco
Panesi



Josh
Rovey



Tess
Saxton-Fox



Laura
Villafane
Roca

Controls and dynamical systems



Cedric
Langbort



Melkior
Ornik



Negar
Mehr

Space systems



Tim Bretl



Zach
Putnam



Siegfried
Eggli



Robyn
Woollands

Aerospace systems engineering



Michael
Lembeck



Jason
Merret



Huy
Tran

Aerospace structures and materials



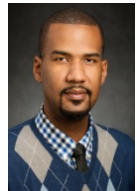
Ioannis
Chasiotis



Huck Beng
Chew



Philippe
Geubelle



Kai
James



John
Lambros



Jeff Baur

Active Emeriti



Larry
Bergman



Bruce
Conway



Craig
Dutton



Harry
Hilton



John
Prussing



Michael Selig



**Grainger College
of Engineering**

UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN

Aerospace Engineering
Elevating Ideas Since 1944

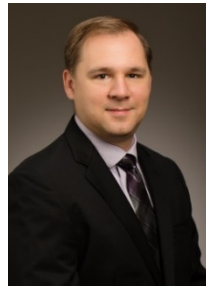
Staff



Jonathan Freund
Department Head



Tim Bretl
UG Associate Head



Jason Merret
Coordinator of Aerospace
Systems Engineering Program



Michael Lembeck
Dir. of the Laboratory for
Advanced Space Systems at Illinois



Brian Woodard
Instructional Lab Manager



Daniel Bodony
Assoc Head/
Director of Grad Program

Administrative Staff



Tim Cochrane
Advancement



Laura Gerhold
Chief UG Adviser



Diane Jeffers
Outreach &
Space Grant



Debra Larson
Communications
& Alumni Relations



Courtney McLearn
Special Events
Facilitator



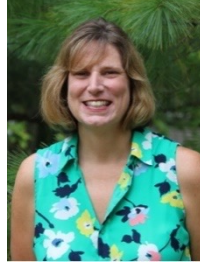
Jenna Russell
Grad Prog.
Coordinator



Kristen Reifsteck
Admin. Aide



Heidi Bjerke
ISGC-STEM
Coordinator



Heather Arnett
Coordinator
STEM Activities

Machine Shop



Lee Booher



Dustin Burns

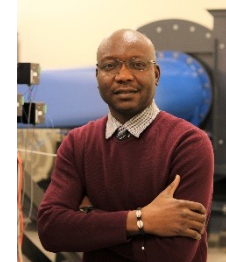


Greg Milner

Technical Staff



Murphy Stratton
CubeSat Lab Manager



Dassou Nagassou
Lab Operations Manager



**Grainger College
of Engineering**

UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN

Aerospace Engineering
Elevating Ideas Since 1944

Facility improvements

- \$75M Campus Instructional Facility
- \$41M Lu Mechanical Engineering Building
- \$33.5M CEE modernization effort
- \$2.5M Transportation Building improvements
- \$8.6M Talbot Lab expansion



**Grainger College
of Engineering**

UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN

Aerospace Engineering
Elevating Ideas Since 1944



Talbot Expansion

Started March 2019

Opening Fall 2021 (now)

Composite manufacturing lab

CubeSat facility



**Grainger College
of Engineering**

UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN

Aerospace Engineering
Elevating Ideas Since 1944

Diversity Fosters Excellence

- You belong.
- They belong.
- Everyone serious about learning and advancing Aerospace Engineering belongs.
- Actively foster inclusion.

Aerospace Graduate Student Advisory Committee: <https://gsac.ae.illinois.edu>

Office for Access & Equity: <https://oae.illinois.edu>

Grainger College of Engineering Institute for Inclusion, Diversity, Equity, and Access (IDEA): <https://idea.illinois.edu>

Vice Chancellor for Diversity, Equity & Inclusion (Sean Garrick): <https://diversity.illinois.edu>

AE-specific + links: <https://aerospace.illinois.edu/diversity>



**Grainger College
of Engineering**

UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN

Aerospace Engineering
Elevating Ideas Since 1944

In Closing...

- Congratulations and welcome!
- Make the most of your graduate studies at Illinois. These will be challenging, but exciting years.
- Work hard, but also grow: take advantage of all the university, the C-U community, Illinois, and beyond offers.
- Get involved in our Aerospace Graduate Student Advisory Committee (GSAC).
- COVID: Wear a mask. Socially distance. Get tested. Be safe.



**Grainger College
of Engineering**

UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN

Aerospace Engineering
Elevating Ideas Since 1944