New Faculty Orientation

August 20, 2024

Ira A. Fulton Schools of Engineering

Arizona State University

Agenda

8:30–9:00 a.m.	**Welcome/Introductions** Kyle Squires, dean and senior vice provost of engineering, computing and technology
9:00–9:15 a.m.	**Academic personnel in the Fulton Schools of Engineering (FSE)** Lenore Dai, vice dean of faculty administration
9:15–9:30 a.m.	**FSE values, faculty onboarding, and inclusive excellence** Jennifer Bekki, associate dean of inclusive excellence
9:30–9:45 a.m.	**Resources from the Learning and Teaching Hub** Scott Mahler, senior director, FSE Learning and Teaching Hub
9:45–10:00 a.m.	**Changing Futures — for Arizona. For the world: Industry engagement and philanthropic giving in the Fulton Schools of Engineering** David Wahls, executive director, Development
10:00–10:15 a.m.	**Achieving impact through research and entrepreneurship in the Fulton Schools of Engineering** Zachary Holman, vice dean for research and innovation, and Visar Berisha, associate dean of research and commercialization
10:15–10:30 a.m.	**Amplifying innovation in the Fulton Schools of Engineering: Communications strategies and resources** Lanelle Strawder, assistant director, Marketing and Communications
10:45–11:00 a.m.	**FSE space planning, projects and infrastructure** Ricardo Reina, director of facilities
11:00–11:15 a.m.	**FSE lab safety culture** Rita Bottesch, assistant director of infrastructure and safety
11:15–11:30 a.m.	**What can NFAC do for you?** Nicholas Rolston, assistant professor, School of Electrical, Computer and Energy Engineering, and new faculty advisory council (NFAC) chair
11:30–11:45 a.m.	**Overview of the Academic and Student Services** James Collofello, vice dean of academic and student affairs
11:45–12:00 p.m.	**Open for questions** Lenore Dai, vice dean of faculty administration

New Faculty Orientation

The Fulton Schools of Engineering

Direction vis-à-vis our goals

What we seek from our faculty – keys to success

ASU Charter

ASU is a comprehensive public research university, measured not by whom it excludes, but by whom it includes and how they succeed; advancing research and discovery of public value; and assuming fundamental responsibility for the economic, social, cultural and overall health of the communities it serves.

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At the Fulton Schools, we:
Cultivate excellence.
Deliver innovation that matters.
Encourage bold thinking.
Foster a community of learning and collaboration.
Build a foundation for all to be successful.
ASU Ira A. Fulton Schools of Engineering
Arizona State University
engineering.asu.edu/values

Fulton Schools of Engineering in fall 2024

50+
graduate degree programs

27
Undergraduate degree programs

#3 for licenses & options
#3 patents
#2 for startups

33,000+
students (estimated, in person and online)

Faculty
600+ faculty
across ranks

44 NSF CAREER
awards over the past four years

7,300+ graduates
across all degree levels in AY2023-24

$281M in awards

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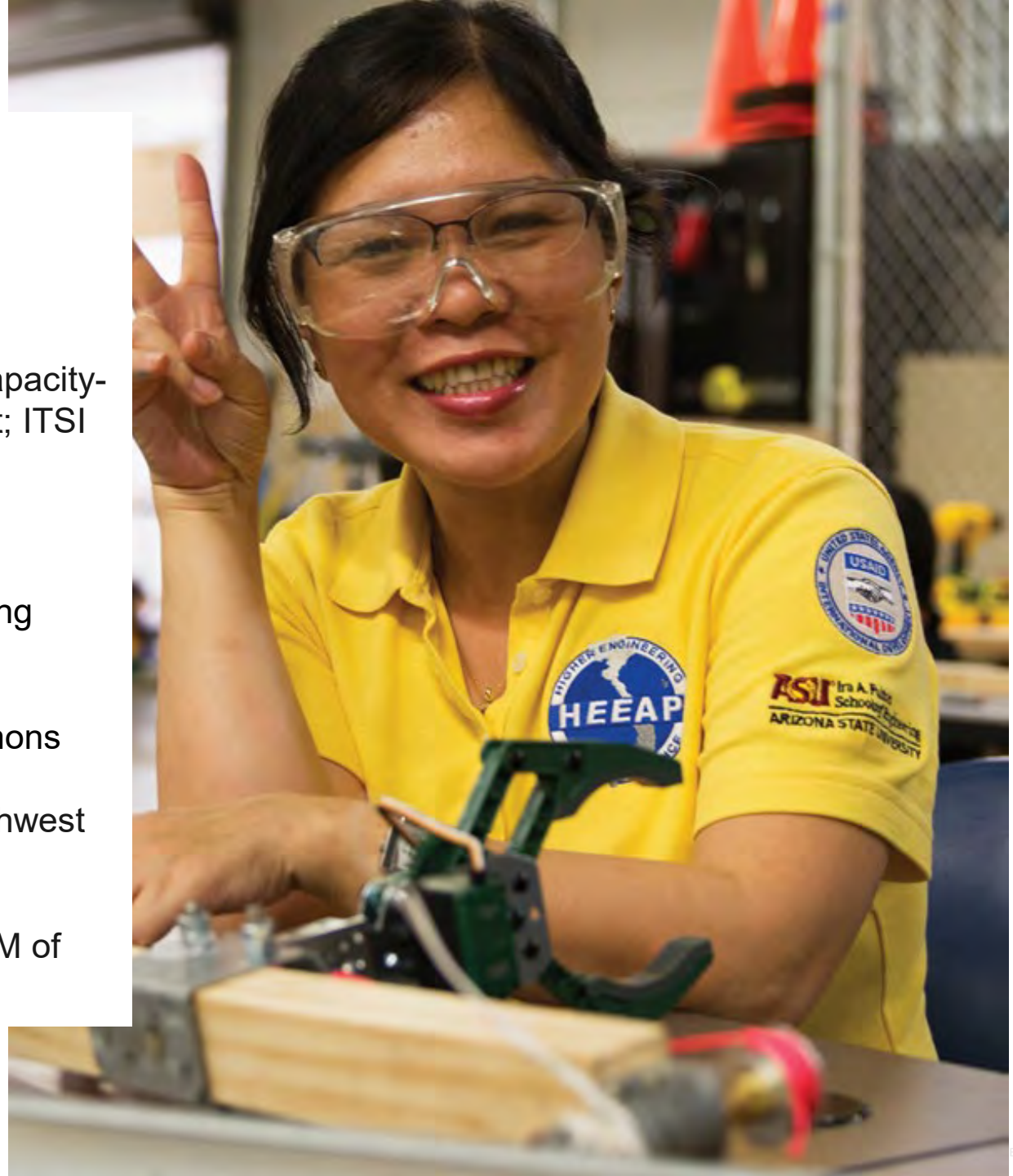
FSE in fall 2024

Global connectivity

- PLuS Alliance; Cintana Alliance; TEDI London; capacity-building programs in Vietnam, Panama and Egypt; ITSI Fund partnerships

Research and innovation

- Lead EPIXC, DoE's 7th Clean Energy Manufacturing Innovation Institute
- One of 8 hubs of the DoD Microelectronics Commons
- Leading research presence in ASU-led NSF Southwest Sustainability Innovation Engine
- Entrepreneurial outputs (national ranking per $10M of research expenditures)



Board of Regents

Building engineers, inspiring innovators

25+ undergraduate programs
50+ graduate programs
3 campuses + online

Our transdisciplinary partners at ASU

College of Health Solutions

College of Integrative Sciences and Arts

Global Security Initiative

Julie Ann Wrigley Global Futures Laboratory™

School of Arts, Media and Engineering
Herberger Institute for Design and the Arts

School of Earth and Space Exploration
The College of Liberal Arts and Sciences

The Biodesign Institute

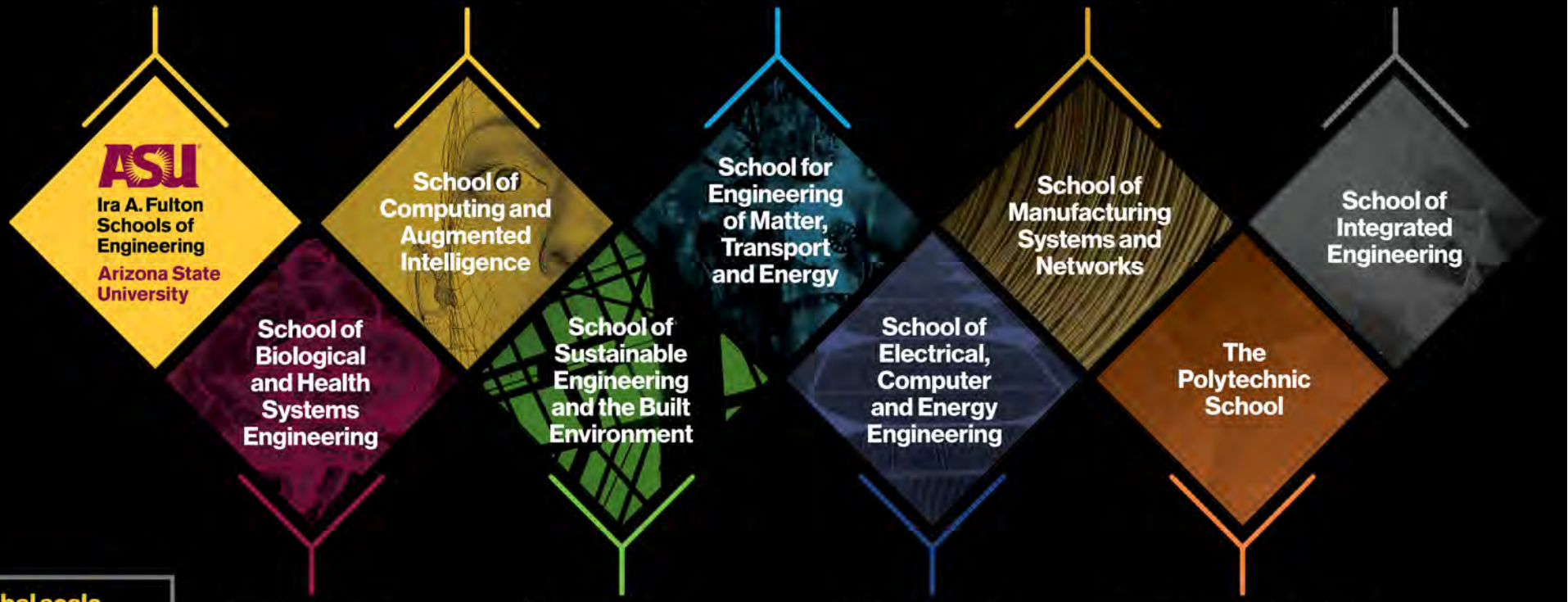
W. P. Carey School of Business

Advancing engineering design on a global scale

FSE Global Strategic Partnerships

By collaborating with strategic partners, FSE maximizes its impact by expanding educational access and promoting sustainable development on a global scale.

CINTANA EDUCATION
TEDI LONDON
PLuS ALLIANCE
USAID FROM THE AMERICAN PEOPLE



Biomedical engineering
Robotics and autonomous systems

Computer engineering
Computer science
Computer systems engineering
Data science, analytics and engineering
Engineering management
Industrial engineering
Informatics
Robotics and autonomous systems
Software engineering

Civil engineering
Civil, environmental and sustainable engineering
Construction engineering
Construction management
Construction management and technology
Data science, analytics and engineering
Environmental engineering
Sustainable engineering

Aerospace engineering
Biological design
Chemical engineering
Data science, analytics and engineering
Materials science and engineering
Mechanical engineering
Modern energy production and sustainable use
Robotics and autonomous systems

Computer engineering
Data science, analytics and engineering
Electrical engineering
Robotics and autonomous systems

Manufacturing engineering
Robotics and autonomous systems
Systems engineering

Engineering science

Aeronautical management technology
Clean energy systems
Data science, analytics and engineering
Engineering
Engineering education systems and design
Environmental and resource management
Graphic information technology
Human systems engineering
Information technology
Technological entrepreneurship and management
Technology
User experience

Teaching and Learning

Becoming the most impactful university engineering enterprise in the United States

- Broaden access to innovative engineering education programs across campuses, online, and globally
- Improve student learning outcomes supported by technology-enhanced, active learning environments across all modalities
- Increase first-year student retention to 90 percent
- Increase the number of graduates to 10,000 per year
- Increase enrollment and retention of underrepresented groups to match Arizona's demographic diversity

Partnership

- Engage with community and industry partners to increase the pipeline of human capital in Arizona and beyond
- Increase alumni engagement
- Expand access to thousands of learners through industry-relevant, personalized learning pathways
- Support the launch of the School of Medicine and Advanced Medical Engineering and ASU Health
- Raise $50M annually through philanthropic gifts to support faculty, students and programs

Becoming the most impactful university engineering enterprise in the United States

Building engineers, inspiring innovators

The Fulton Difference – focus on student success via academic program excellence and extra-curricular engagement

Engineers from Day One

Engage students in design/build within and outside of the classroom

- E2, eSpaces, student orgs, enrepreneurship, service-based learning and design, GCSP, UG research, projects and capstones

Build community

Develop mindset, reinforce values

- Student ambassadors, peer mentors, comprehensive advising, student orgs, UGTAs, global opportunities, outreach, inclusive excellence

Meet learners where they are

Support student success and equitable outcomes

- Residence halls, tutoring, career coaching, students orgs, Barrett Honors College, student center

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Big picture…

Produce engineers and technologists

- Over 7,300 degrees granted in 2023−2024

Retain students, continuously improve programs

- First-time, first-year student retention ~87% within ASU; has increased to nearly 80% within FSE

Conduct impactful research

- Numerous faculty recognitions in 2023-2024; over $280M in awards

Grow our Ph.D. programs: ~1,300 PhD students

- Hallmark of successful promotion/tenure cases is mentorship of 4-5 PhD students

Engage our community and stakeholders – donors, foundations, corporates

- ~$46M in FSE last year

New Faculty Orientation

The Fulton Schools of Engineering

Direction vis-à-vis our goals

What we seek from our faculty – keys to success

Research activity that is visible, meaningful

- **Research efforts should be visible and seen as important to the external community (validation by your peers)**

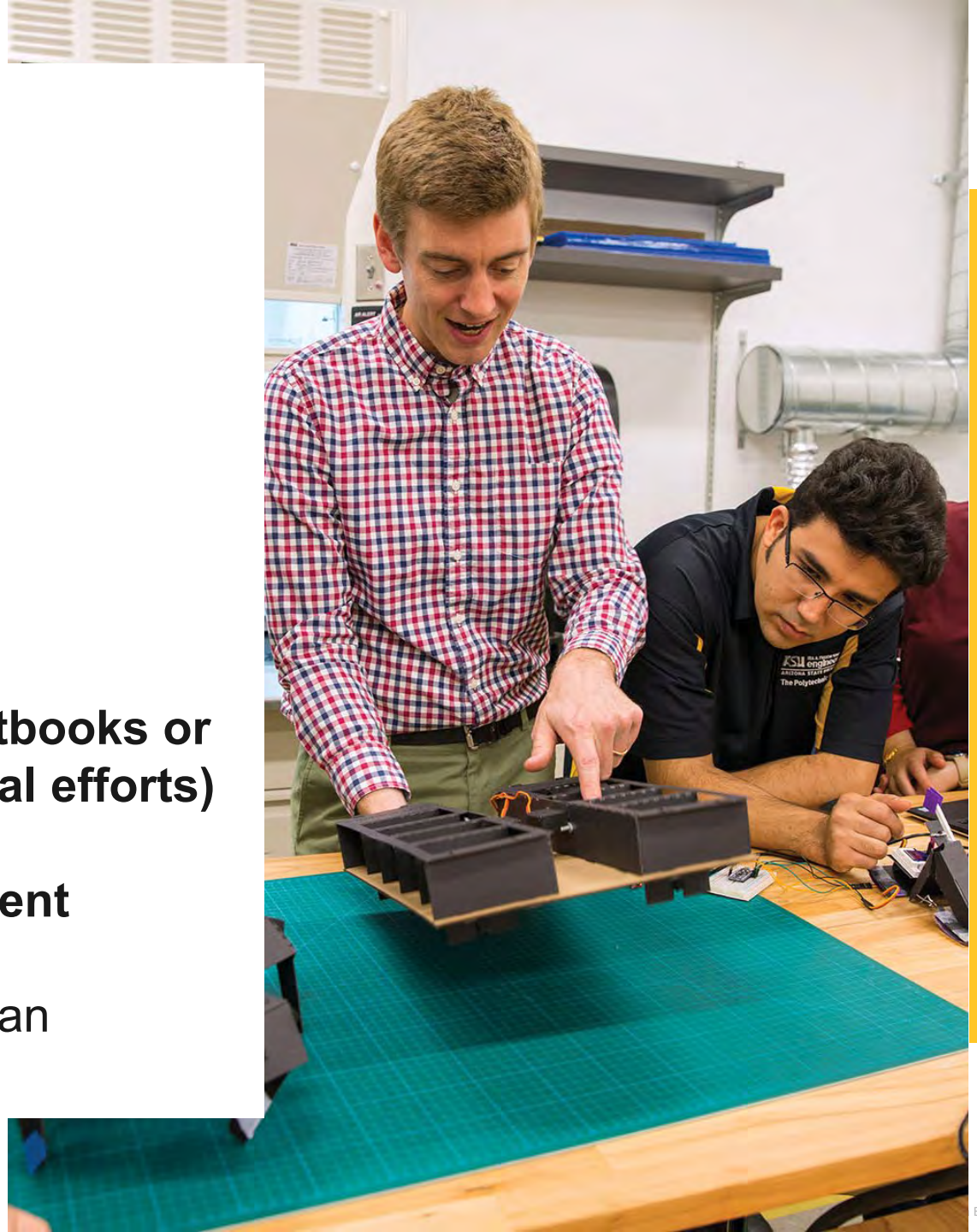
- **Transformational discoveries, innovations, and inventions (validation by the community at large)**

- **Outputs from research and entrepreneurial activities that are co-authored with graduate students** (papers, presentations, patent applications, etc.)
    - **Work toward mentoring 4-5 doctoral students**

- **Research funding enables all of these activities**

Teach well and continuously improve

- **Student feedback**
- **Innovative materials and methods**
- **Recognition through teaching awards**
- **Produce relevant publications (i.e., textbooks or scholarly articles related to instructional efforts)**
- **Participation in professional development activities to improve as an instructor**
  - The **Learning and Teaching Hub** is an excellent resource for all faculty



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Service

- **Be visible in your discipline-specific community**
- **Chair conference sessions, serve on technical committees, …**
- **Make out-of-classroom contributions to academic program enhancement**
  - Participation on committees focused on curriculum reform, admissions, standards, …
  - Participation in service opportunities in your school

Recipe for success

Think about…

- how students will describe you (in teaching, mentoring, various advising roles, …)
- how your colleagues will describe you…
- how your peers outside of ASU will describe you.

Develop an appreciation for what the President and Provost are trying to do (ASU Charter)

Ground your work to FSE values

Find ways to contribute to your program, school, and schools

engineering.asu.edu

Supporting your Success within the Fulton Schools

Mentorship, the Fulton Schools Values, & Faculty Onboarding

Jennifer M. Bekki
Associate Dean of Inclusive Excellence
August 20, 2024

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FSE grounds our inclusive excellence practices in recognition of the significance of individual, social and professional identities (and the intersections therein).

Have access to professional opportunities

Feel included & belonged within FSE

Are provided support & resources to realize full potential

INCLUSIVE EXCELLENCE

An *inclusively excellent* FSE is one in which all faculty and staff "have access to … professional opportunities, feel included [and belonged], and have the resources [and support] to actualize their full potential" (pp. xxvi, NASEM, 2023)

National Academies of Sciences, Engineering, and Medicine. 2023. Advancing Antiracism, Diversity, Equity, and Inclusion in STEMM Organizations: Beyond Broadening Participation. Washington, DC: The National Academies Press. https://doi.org/10.17226/26803.

Mentorship: a professional, working alliance in which individuals work together over time to support the personal and professional growth, development, and success of the relational partners through the provision of career and psychosocial support.*

*National Academies of Sciences, Engineering, and Medicine. 2019. *The Science of Effective Mentorship in STEMM*. Washington, DC: The National Academies Press. https://doi.org/10.17226/25568.

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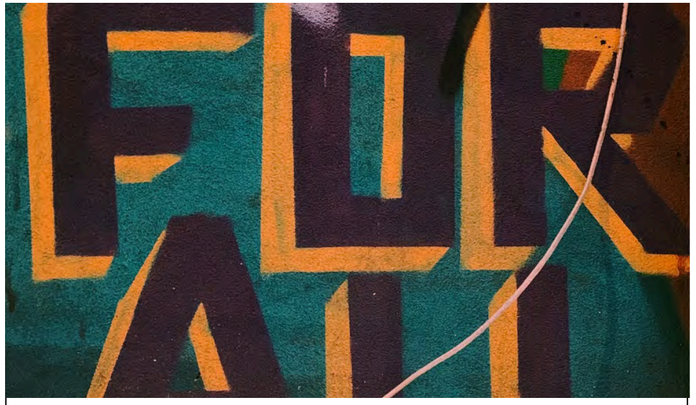
Benefits of Mentorship



Advance Inclusive Excellence
"Talent is equally distributed across all sociocultural groups; access and opportunity are not" [NAE Report, 2019]. Mentorship is one of many necessary ways to begin to address this broad, complex problem.

Improve wellbeing
Effective mentorship supports positive mental health and improves career satisfaction. It also lessens the impact of institutional barriers.

Productivity
Mentorship is linked to higher productivity and increases the likelihood of remaining on a chosen career path. E.g., for graduate students, effective mentorship from advisors lowers the time required complete degrees.

MENTORSHIP 360 (M360) -- FACULTY MENTORING

As the formal faculty mentorship program in the Fulton Schools, the goal of M360 is to provide faculty in the Fulton Schools with career and psychosocial support that will positively impact their productivity, well-being and sense of belonging.

Co-directed by Jennifer M. Bekki (jennifer.bekki@asu.edu) and Samantha Brunhaver (samantha.brunhaver@asu.edu), with M360 Faculty Fellows in each school / unit, who coordinate mentoring programs contextualized within the culture of each school.

M360 Website: https://tinyurl.com/M360ASU

MENTORSHIP 360 (M360) WORKSHOPS & PANELS

M360 -- at the Fulton Schools level -- also coordinates workshops focused on topics that relate to mentoring and / or topics that have been expressed as widely of interest based on input from M360 Faculty Fellows. The following are the M360 Workshops and panels planned for 2024 - 2025 AY.

Workshop: Mentoring Tools

Learn about and practice using evidence-based tools to support effective mentorship.

- **Thursday, September 12, 2024, 2:00pm - 4:00pm, CAVC 301**
- **Wednesday, September 25, 2024, 9:00am - 11:00am, CAVC 401**

Panel: Lab Setup and Management

- November, 2024 time and location TBD

Workshop: Supporting Student Mental Health

- February, 2025, time and location TBD

Panel: Supporting Faculty in Caregiver Roles

- April, 2025, time and location TBD

Your Onboarding Plan

Includes the expectation that you'll engage with each of these elements during your first academic year. There are differentiated expectations for tenured / tenure track faculty and teaching track faculty

- **WELCOME / ORIENTATION EVENTS**
- **FULTON SCHOOLS VALUES-DRIVEN PROFESSIONAL DEVELOPMENT**
- **COMMUNITY BUILDING AND MENTORING**
- **SCHOOL / UNIT LEVEL ONBOARDING**
- **ONBOARDING RESOURCES**

The Fulton Schools Values

We are working to embed the FSE Values in all aspects of our culture, including faculty onboarding!

Cultivate Excellence

Contribute to a culture and environment that supports healthy growth in yourself and others; create positive impact through high quality contributions to the Fulton Schools, ASU, and beyond.

Deliver Innovation that Matters

Produce solutions that demonstrably create a greater value or overcome an existing challenge.

Encourage Bold Thinking

Contribute to a culture and environment that supports risk taking (i.e., doing something when you aren't sure what the outcome will be) and acknowledges it as part of the process of delivering innovation that matters.

Foster a Community of Learning and Collaboration

Cultivate an environment where individuals come together to share knowledge, enhance skills, and leverage resources for mutual growth and development.

Build a Foundation for All to be Successful

Foster a culture and environment in which all members of the Fulton Schools community have access to educational and professional opportunities, feel included and belonged, and have the support they need to achieve their full potential.

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Self-enroll in the Fulton Schools Values Training Course here:

https://tinyurl.com/FSEValuesTrainingCourse

UPCOMING FACULTY ONBOARDING EVENTS

Cohort of Recently-hired Educators (CORE) Kickoff

Option 1: 8/16, 8:30am - 1:30pm (lunch provided)
Option 2: 8/20, 1:30pm - 4:30pm

- Get set up for success in the classroom during the first several weeks of the semester. Expected for all new faculty who are teaching this fall and are hired as an Assistant Professor or as teaching faculty.

Faculty Welcome

9/5, 4:00pm-5:30pm followed by M360 reception, 5:30 - 6:30

- Learn more about onboarding program and expectations. Connect with New Faculty Advisory Council (NFAC) onboarding mentors.
Attendance expected for all new faculty.

Got questions ?

JENNIFER BEKKI

Associate Dean of Inclusive Excellence,
the Fulton Schools
jennifer.bekki@asu.edu

Feel free to contact me!

Welcome!!

We are excited for you to join us in the Fulton Schools!!!

Ira A. Fulton Schools of Engineering
Arizona State University

engineering.asu.edu

FSE Learning and Teaching Hub

New Faculty Orientation | 20 August 2024

lth.engineering.asu.edu

fse-lthub@asu.edu

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Arizona State University

FSE Learning and Teaching Hub North Star (updated)

Vision

All FSE students thrive in an environment that fosters learning.

Mission

Collaborate with faculty and staff to improve student outcomes, retention, access, and inclusivity across all FSE programs.

Goals

Facilitate a culture of teaching and learning within FSE

Ensure FSE learning experiences are relevant, engaging, and designed for student success

Create new opportunities for a diverse set of learners to experience FSE education

Establish systems, process, protocols and resources that ensure operational excellence and promote employee well-being

Meet the LTH Team

Operations

Classroom Technology

Professional Learning and Scholarship

Data and Systems

Learning Design and Technology

Media Team

Ira A. Fulton Schools of Engineering
Arizona State University

Professional Learning

- Workshops
- Reference Guides
- Self-paced Trainings

Learning Design

- Guided Course Development
- Media Production
- Curriculum Mapping

Instructional Consultation

- Instructional Strategies
- Educational Research
- Technical Assistance

Learning Analytics

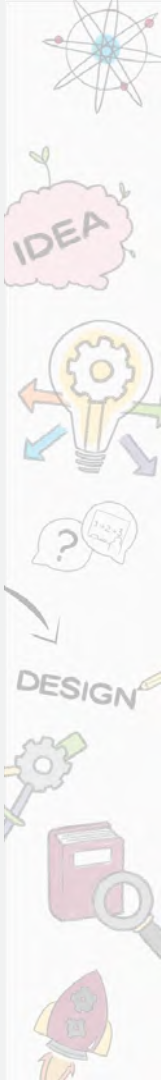
- Course Outcomes
- Learner Behavior
- Program Success Data

Educational Technology

- Technology Identification
- Canvas Integration
- 3rd party tools

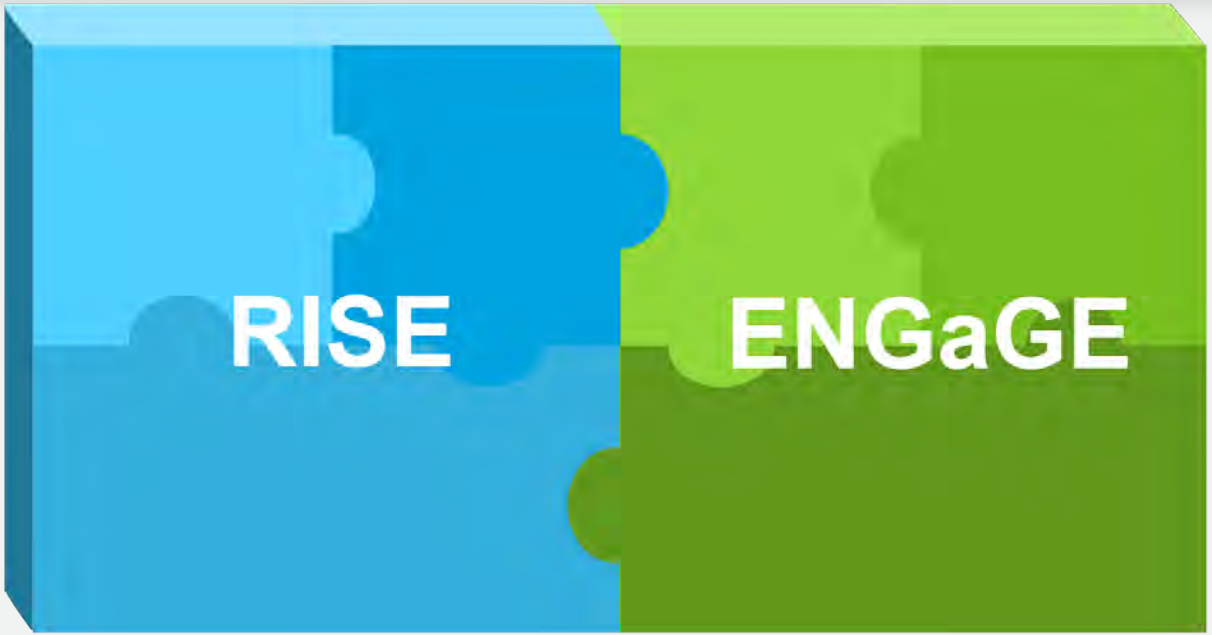
Quality Assurance

- Classroom Observations
- Pre-Semester Course Review
- Post Evaluation



Professional Learning

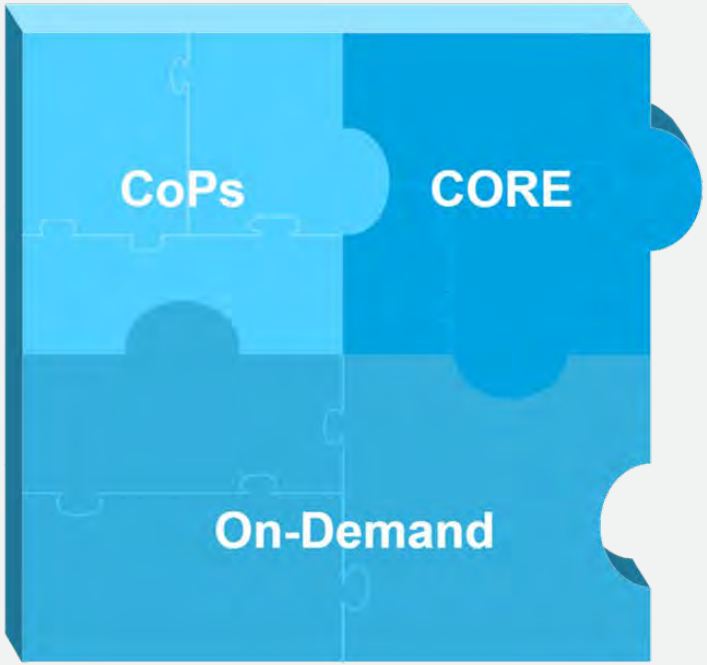
Professional Learning Portfolio

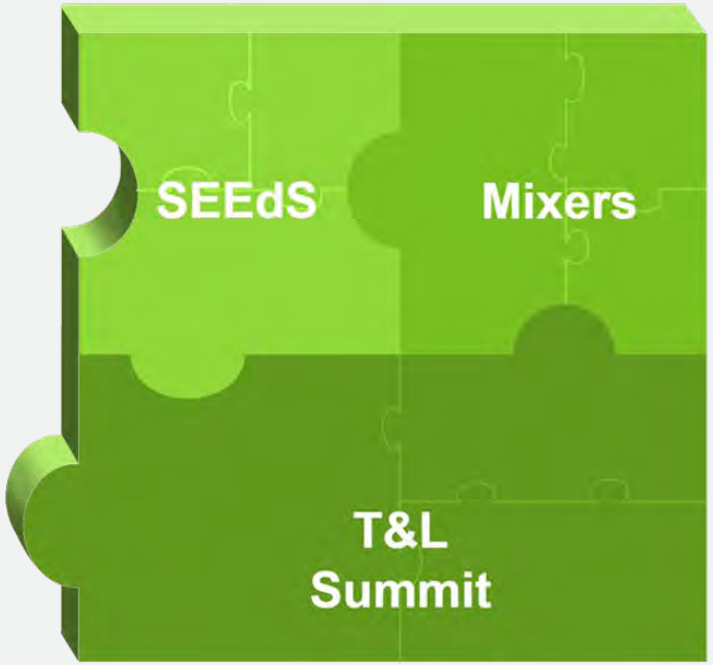


Research-based **I**nstructional **S**trategies in **E**ngineering

Educator **N**etworking **G**roup **a**nd **G**atherings in **E**ngineering

Professional Learning Portfolio





RISE

ENGaGE

Cohort of Recently-hired Educators (CORE)

CORE

A workshop series designed to offer actionable instructional ideas specific to teaching and learning in engineering courses. Multiple monthly options.

Reach out to Stefani Jenkins if you would like to join this year's cohort.

CORE Objectives

- LO1: Acquire foundational knowledge about engineering education topics and methods
- LO2: Recognize differences between instructor-centered and student-centered classroom practices
- LO3: Differentiate between formative and summative feedback
- LO4: Recognize factors/common challenges that impact student learning and strategies to address them
- LO5: Acquire knowledge about and implement start of the semester

CORE Series

August: Get Ready! Preparing for the semester Start

September: Structuring Engaging Sessions

October: Effective Assessment in Engineering Education

November: Student Motivation

January: Collaborative & Cooperative Learning

February: Embracing and Integrating the Entrepreneurial Mindset

March: Reflecting on Progress: Instructional Innovation

April: SEEdS-Celebrating Learning

Other upcoming opportunities

SEEdS

Fridays | 12pm-1pm MST | via Zoom

9/20/2024 Saurav Kumar
Does Adaptive Teaching Improve Flipped Learning

10/18/2024 Andrew Maynard
Generative AI in Teaching and Learning

11/15/2024 Mays Imad
Reparative Humanism and Agreements in STEM

Communities of Practice (CoPs) and workshops

- Generative AI in Teaching and Learning
- Assessments in Large Scale Courses
- Innovating Teaching in First-Year Project-Based Courses
- LTH Book Study
- ICAP
- CORE

On-demand

Quick-Reference Guides

Interactive Resources: Teaching at Fulton: Nuts and Bolts

Coming soon!

Flipped Learning
Learning Communities
Active Learning Strategies

Connect with us!

fse-lthub@asu.edu

lth.engineering.asu.edu

Fulton Schools New Faculty Orientation

Building the FSE Narrative

“I strongly believe you cannot have a great city without a great school of engineering.”

Ira A. Fulton

It’s all about building relationships

- We build partnerships and relationships, uniting ideas, people, philanthropic and research-related support and investments to advance ASU’s goals for inclusion, student success, discovery and local and global impact.
- Individuals / Non-Profits / Corporations
- Long term relationships - Everyone has a role!
    - You’ll hear from us about engaging donors, tours, industry meetings etc.

Fulton Engineering Team

David Wahls
Executive Director of Development

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480-727-0827

Contact me to support
- **Initiatives led by Dean Kyle Squires**
- **School of Sustainable Engineering and the Built Environment**

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Development Officer

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602-543-6622.

Contact me to support
- **School for Engineering of Matter, Transport and Energy**

Bob Olson
Director, Business Engagement Catalyst

Dario Solis, Ph.D.
Business Development Director
Innovation Technology Partnerships

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Contact me to support
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- **School for Engineering of Matter, Transport and Energy**

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Contact me to support
- **School of Electrical, Computer and Energy Engineering**

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John Lewis
Director, Capstone Engagement,

Jennifer Williams
Assistant Director of Development

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Contact me to support
- **School of Manufacturing Systems and Networks**
- **The Polytechnic School**
- **Fulton Student Organizations**

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Administrative Specialist

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480-496-1721

Tony Libera
Associate Director eProjects,

Development Metrics Overview

FSE Fundraising – FY24

NGC

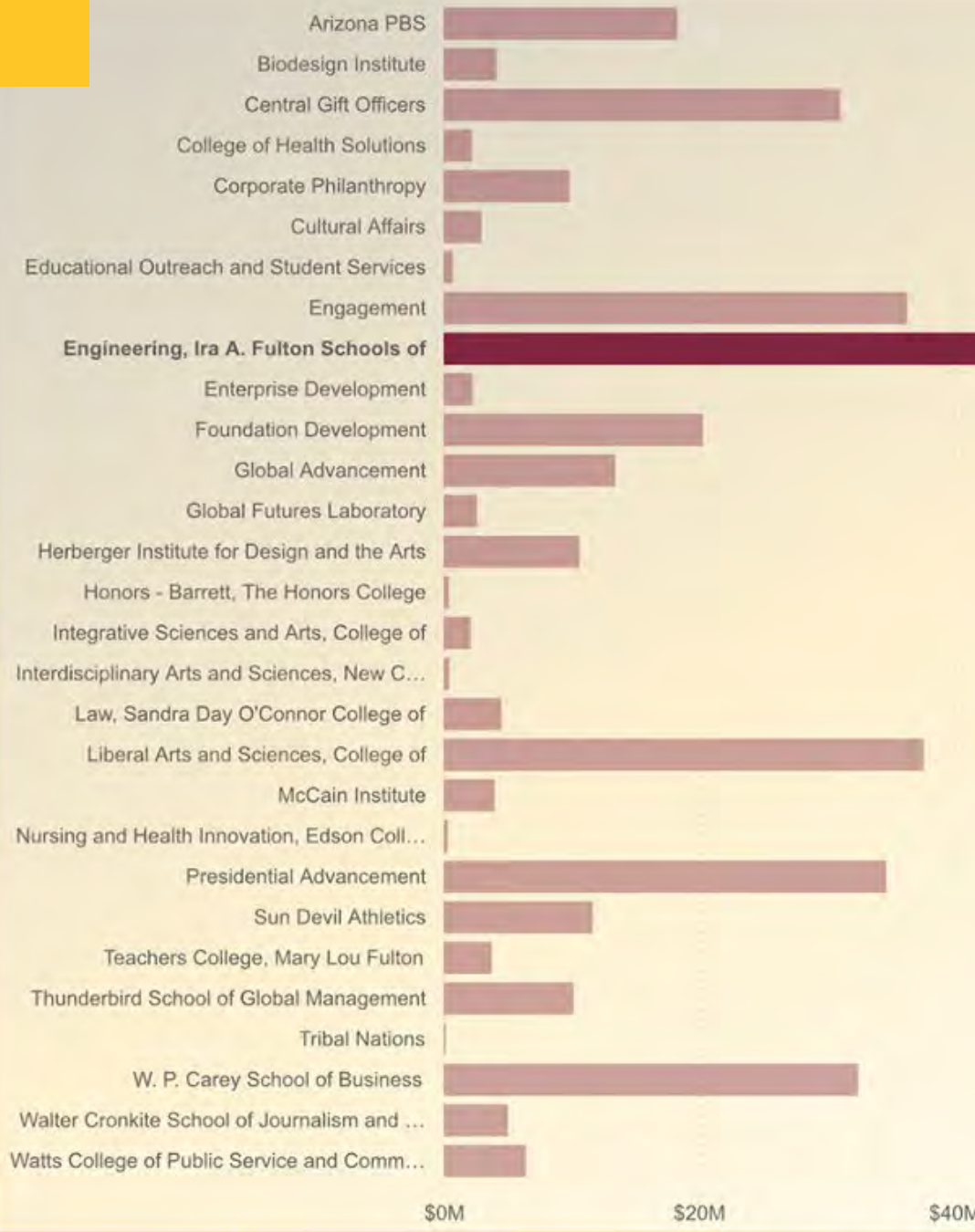
187.0% to goal

Individual NGC

301.2% to goal

Engagement and Opportunity Metrics

Individual NGC



Industry and Philanthropic highlights

- ~$47M - Annual FSE philanthropic support
- ~$25M - Industry relationship engagement highlights

Honeywell

tsmc

APPLIED MATERIALS®

RTX

CAVC is now the Paul C. Helmick Center

For over 60 years, Paul was a recognized business leader in the mining and equipment industries sharing his wealth of knowledge, business experience and friendship with customers and colleagues. Valuing the importance of education he gave generously to schools and high school literacy programs.

4 pillars:

- **Student Success**
- **Faculty Excellence**
- **Industry Integration**
- **Infrastructure**

Align corporate engagement

Coordinate with Business Engagement Catalyst, Knowledge Enterprise Corporate Engagement and Strategic Partnerships teams around comprehensive corporate engagement

- Create comprehensive partnerships that include philanthropic components including, GIK, scholarship, and faculty investment.
- Engage during relationship building through contract negotiation to ensure funding can be counted with ASUF and KE
- Align research funding opportunities and gaps to help build out needs for research centers, through naming/branding budgets with corporate investments
- Tap into multiple budgets within companies that allow for philanthropic, marketing, research, training and asset transition

ASU Advanced Manufacturing Center of Excellence –
FANUC/Rockwell Automation

Invested – $1.4M Gift-in-Kind of equipment from FANUC/Rockwell; $250K partner investment from Honeywell

Next – Professorship, scholarships and fellowships, center naming

Use Case: Microelectronics

Invested:

Applied Materials

- $200M in semiconductor equipment
- $4.8M annually in research or philanthropic funding
- $1.4M endowed scholarship fund

Invested:

Gary and Diane Tooker

- $1.25M discretionary fund to advance STEM degrees

Next:

- Workforce development programs
- Named faculty, fellowships and scholarships
- Named facility, centers and spaces

Honeywell-ASU Innovation Hub

Project Planning

ECG (BLUE INDICATES HONEYWELL BRANDED SPACE)

Arizona State University

Tempe Campus

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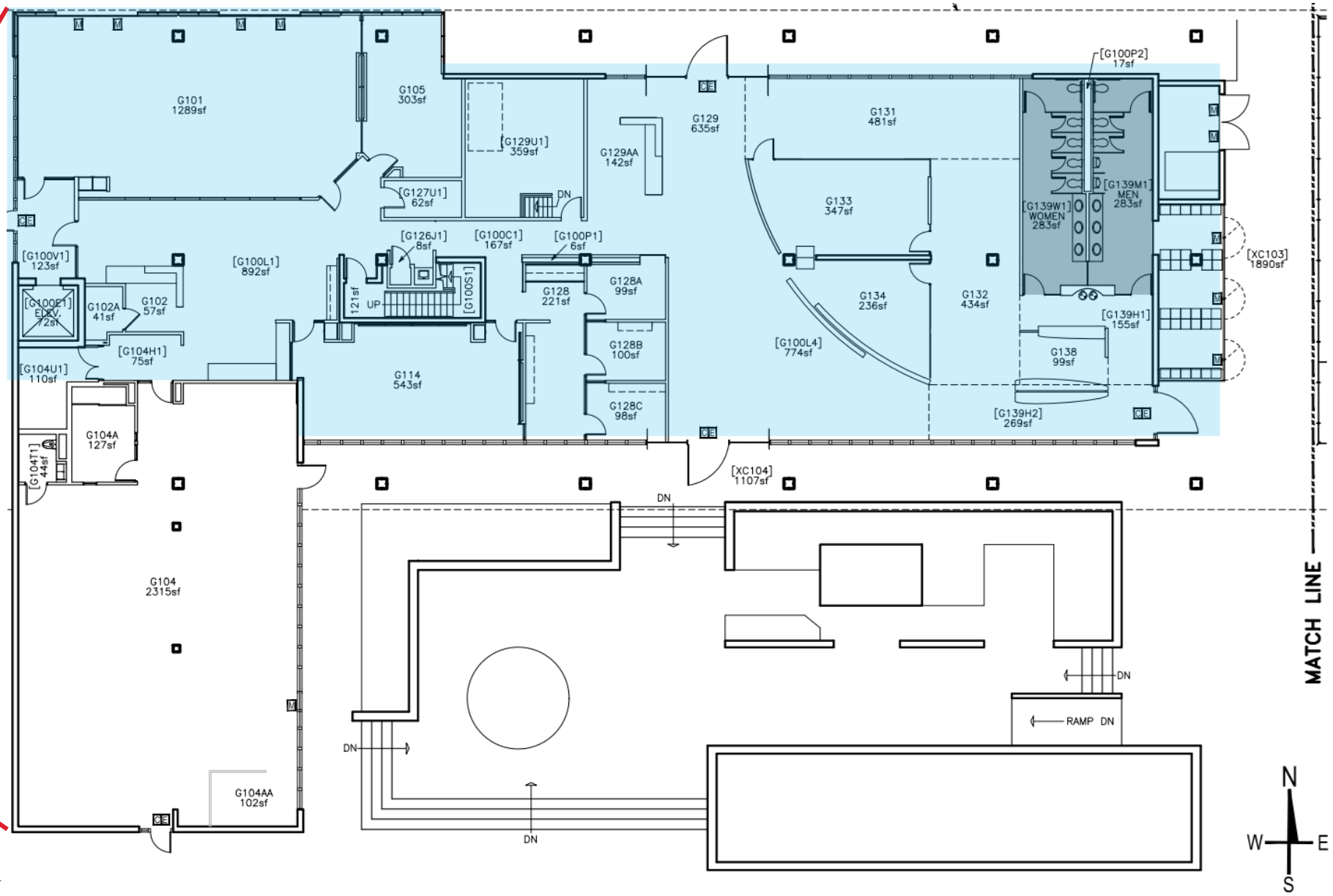

Changing

Futures

For Arizona. For the world.

ASU Capital Campaign –
Building the FSE Narrative

Measures of Progress

By the Numbers:

$600M

ASUF annual steady-state New Gifts & Commitments

$1B

Research Expenditures

$2B

Endowment

100M

Learners

...among many other measures of progress

Campaign overview:

Changing Futures

For Arizona. For the world.

As humanity faces the most complicated issues in recorded history, we cannot be bystanders. Arizona State University is **uniquely committed** to make a difference. We must go where we're needed and do what we can. We must **connect people** across the world. We must **ask better questions** and find smarter answers. We must be willing to **take initiative**, **act boldly** and **leave our mark**. In this mission, we need partners like you.

This campaign is **inclusive at its core**, a public celebration and commitment to ASU's Charter. Anyone who raises their hand to help create a better future will be counted. Through service, connecting, learning, as well as giving, ASU will capture all actions taken in the name of **Changing Futures for Arizona and the world.**

Campaign pillar descriptions

Transform global education

We believe in creating a world where **no one is excluded** from the **benefits of education**. We are uniquely positioned to fundamentally **change how education is delivered** in this century and beyond.

Reshape our relationship with the planet

We believe that we can and must make a **meaningful contribution to ensuring a habitable planet** and a future in which **well-being is attainable for all humankind**.

Empower community resilience

We believe we have a **responsibility** to make our **communities better, stronger and healthier.**

Build the future of health

We believe in creating a future where **every person has confidence in their health and well-being.** All of society must have **equitable access** to healthcare that promotes longevity and a **high quality of life**.

Inspire tomorrow's game changers

We believe the **solutions** to problems yet discovered will **require dreamers, visionaries and revolutionary leaders.**

Advance technology for good

We believe that great **technological strides** can and must be leveraged for a more **equitable future for all humanity.**

Campaign Timeline

We want to help you!

Leveraging the upcoming campaign…

1 – How can we help you build connections with industry partners, alumni and donors so they can engage and support your work?

2 – How can we help each of you create a pathway to a named faculty role or discretionary funding for your program?
(Annual Named Professorships - $150K, Endowed Professorships $1M)

3 – How can we help you think through big ideas and areas for funding opportunities with donors and industry partners?

Next steps

- Engage with Development and BEC team members around ecosystems of investors (internal – faculty and staff leaders, external - individuals/industry/foundations/government)
- Identify lead partners to support and amplify messaging – engage them as first movers
- Start having great conversations!

Fulton Engineering Team

David Wahls
Executive Director of Development

David.Wahls@asufoundation.org
480-727-0827

Contact me to support
- **Initiatives led by Dean Kyle Squires**
- **School of Sustainable Engineering and the Built Environment**

Sevde Haner
Development Officer

Sevde.Haner@asufoundation.org
602-543-6622.

Contact me to support
- **School for Engineering of Matter, Transport and Energy**

Bob Olson
Director, Business Engagement Catalyst

Dario Solis, Ph.D.
Business Development Director
Innovation Technology Partnerships

dario.solis@asu.edu
Cell: 806-201-3022

Kati Martinez
Director of Development

Kati.Martinez@asufoundation.org
480-727-4609

Contact me to support
- **School of Biological and Health Systems Engineering**
- **School for Engineering of Matter, Transport and Energy**

Liz Dover
Development Officer

elizabeth.dover@asufoundation.org
602-543-5167

Contact me to support
- **School of Sustainable Engineering and the Built Environment**

Anthony Tam
Project Manager
Business Engagement Catalyst

anthony.tam@asu.edu
602-543-2633

Kim Taylor
Director of Development

kim.taylor@asufoundation.org
202-607-7987

Contact me to support
- **School of Electrical, Computer and Energy Engineering**

Julie Werner
Stewardship Development Coordinator

julie.werner@asu.edu
480-884-0083

John Lewis
Director, Capstone Engagement,

Jennifer Williams
Assistant Director of Development

Jennifer.Williams@asufoundation.org
480-727-1688

Contact me to support
- **School of Manufacturing Systems and Networks**
- **The Polytechnic School**
- **Fulton Student Organizations**

Jenny Hemsley
Administrative Specialist

jenny.hemsley@asu.edu
480-496-1721

Tony Libera
Associate Director eProjects,

Thank you!

Supporting Your Research Success

Office of Research, Innovation and Entrepreneurship (ORIEN)
Ira A. Fulton Schools of Engineering

Arizona State University

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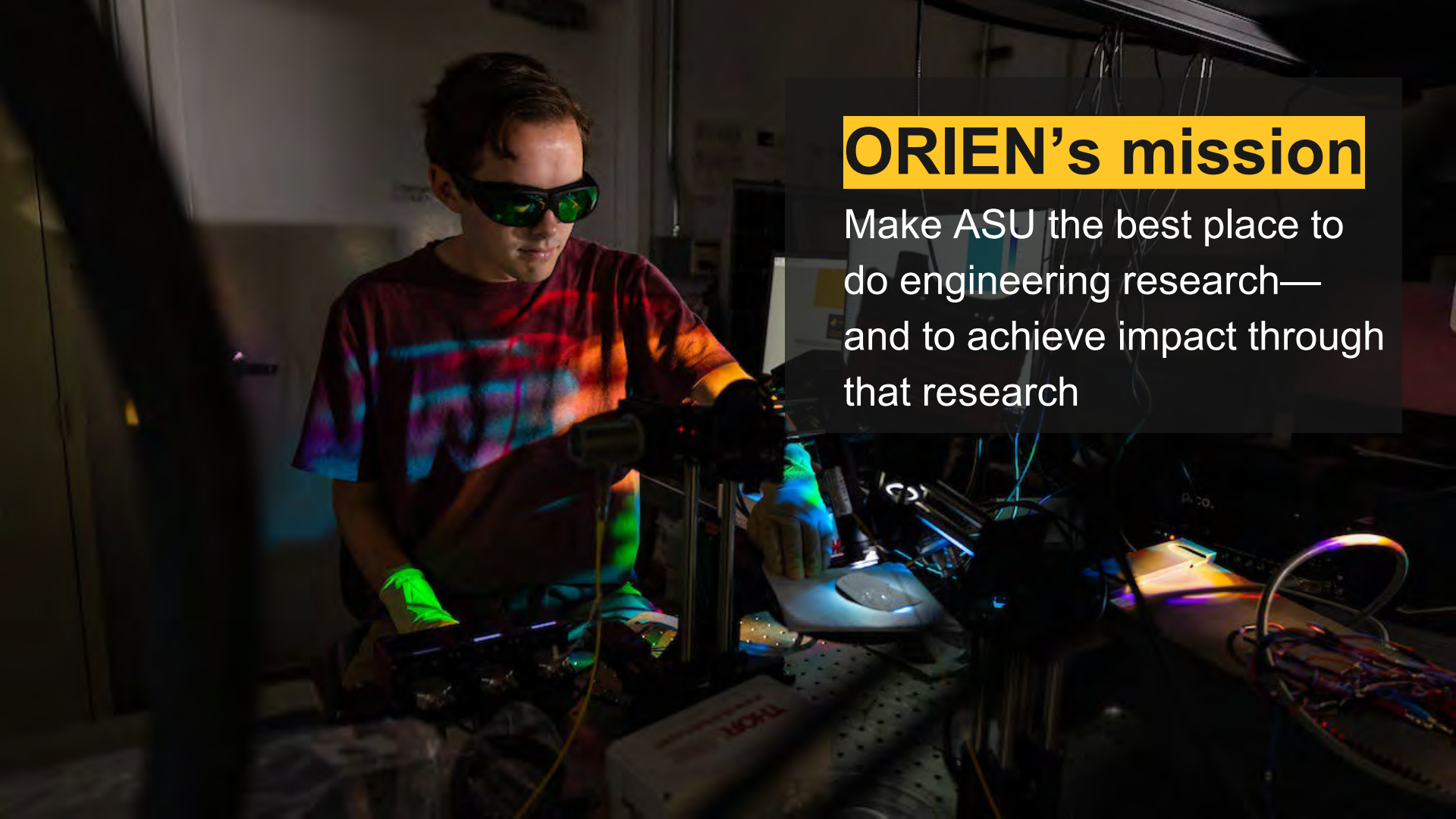

ORIEN's mission

Make ASU the best place to do engineering research—and to achieve impact through that research

ORIEN Philosophy

Value creation at the university happens with the faculty. The role of ORIEN is to (i) remove barriers that inhibit faculty from creating more (research) value and (ii) provide supporting services to help capture the value that is created (through, e.g., the three P's: papers, patents, and people)

The three functions of ORIEN

Proposal development

Pre-award across the Schools

Council of Research Directors

New large opportunity creation

Graphics/slides/write-ups

Research operations

Post-award across the Schools

Facilities/space/equipment

Research talent

Purchasing/shipping

Cost share

Impact and entrepreneurship

Faculty entrepreneurship

Research commercialization

Strategic communications

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MTW enabled SWAP Hub and the AMAT and NXP partnerships, and will enable additional CHIPS awards

Build Differentiated Capabilities

Good research is done with good tools. And unique research often requires unique tools.

When we build capabilities (facilities, equipment, software, databases, know-how) that no one else has, we are competitive when no one else is.

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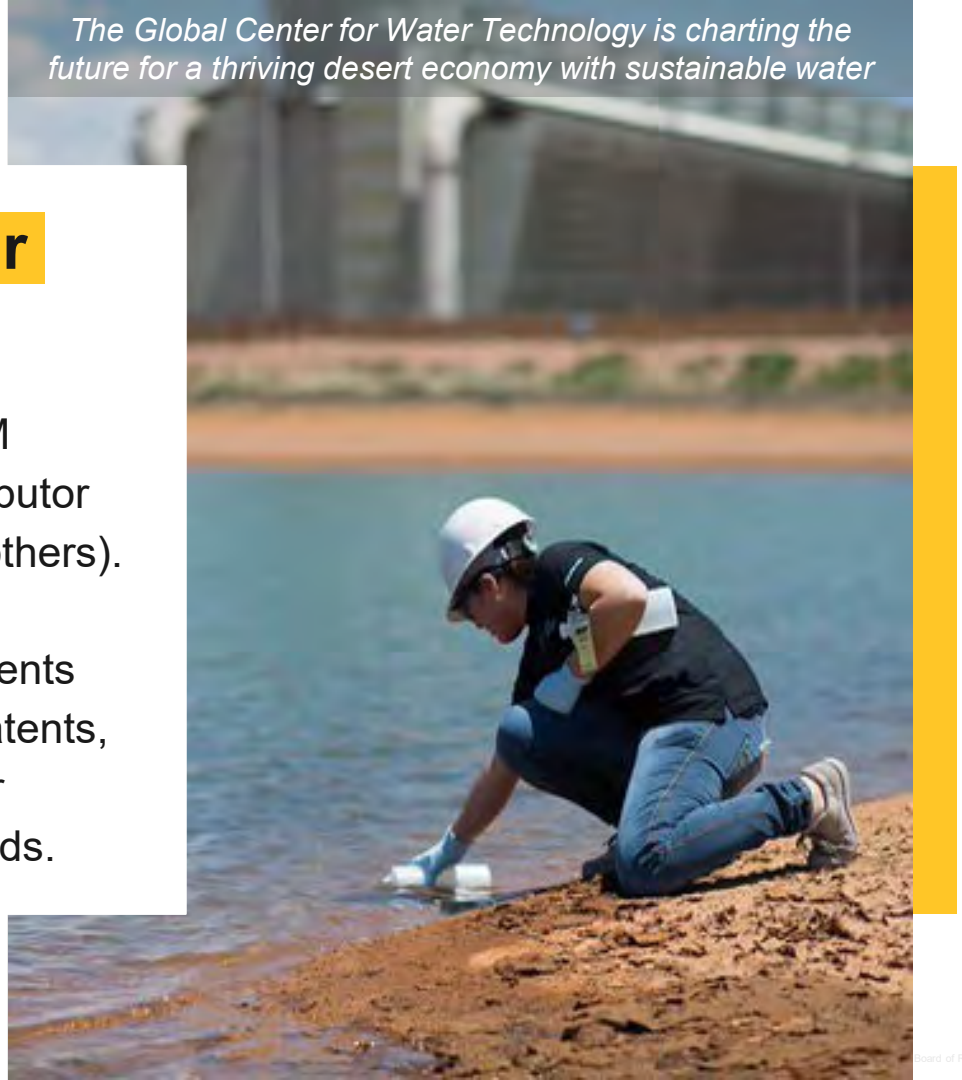
2

Show We Can Deliver Big with Big Money

In 2023, ASU won several >$50M projects with FSE as a key contributor (SWAP Hub, EPIXC, AWII, and others).

We are converting these investments into value and impact (papers, patents, and people) that demonstrate our capacity to lead even larger awards.



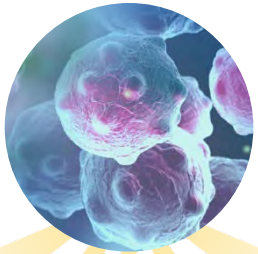
Board of Regents

Lean Into Our Competitive Advantages

FSE Research Impact Themes

Engineered Embodiments

Technology-Enhanced Health and Medicine



- Imaging
- Biosensors
- Cell and tissue engineering

Competitive Manufacturing in an Advanced Economy

- Data
- Additive manufacturing
- Automation

Climate Technology Solutions

- Water
- Solar and storage
- Grid

National and Economic Security

- Comms
- Microelectronics
- AI

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4

Hire (and Retain), and Make Every Hire Above Average

You can’t do epic stuff without epic people.

We need the best, and we need lots of them. And student, postdoc, and research faculty recruitment is as important as T/TT faculty recruitment.

FSE NSF CAREER awardees

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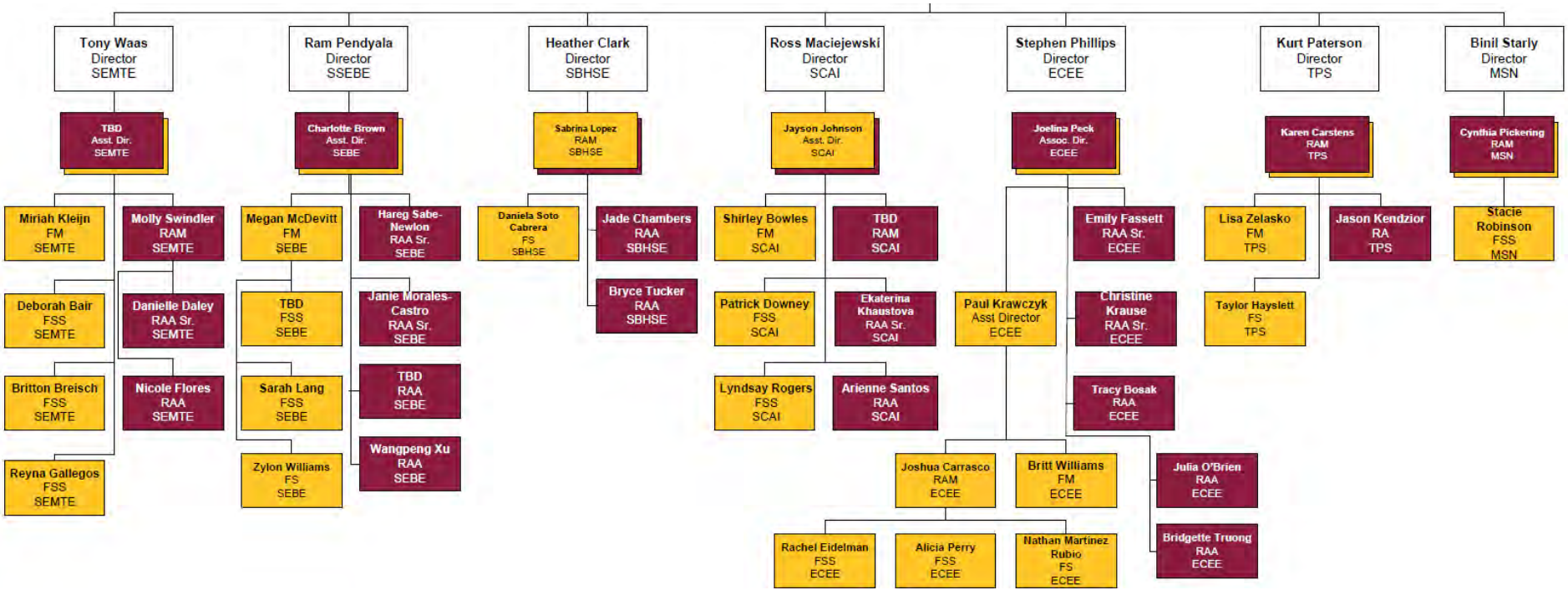
Getting started: Meet your RA(s)



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Getting started: Meet your Research Director

Paulo Shakarian, SCAI

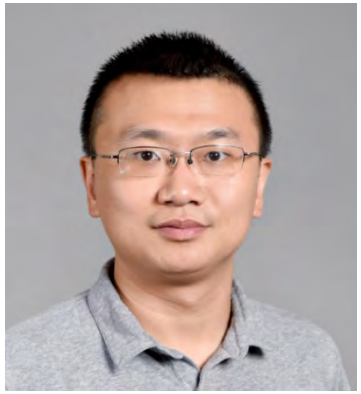
Sarah Stabenfeldt, SBHSE

Seth Ariel Tongay, SEMTE

Anca Delgado, SSEBE

Umberto Celano, ECEE

Wenlong Zhang, MSN



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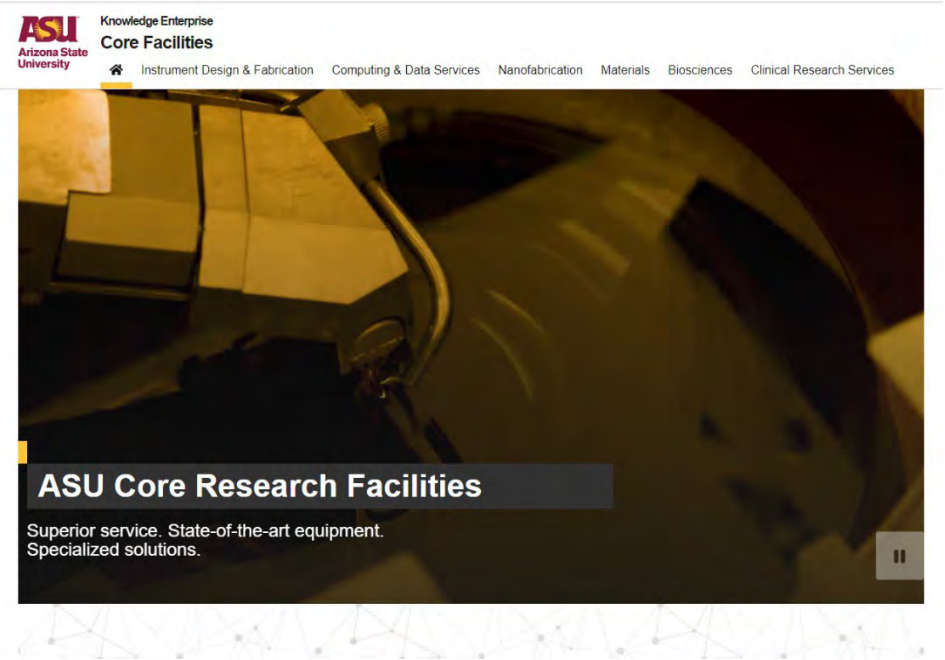
Getting started: Facilities

Your lab

Core Facilities



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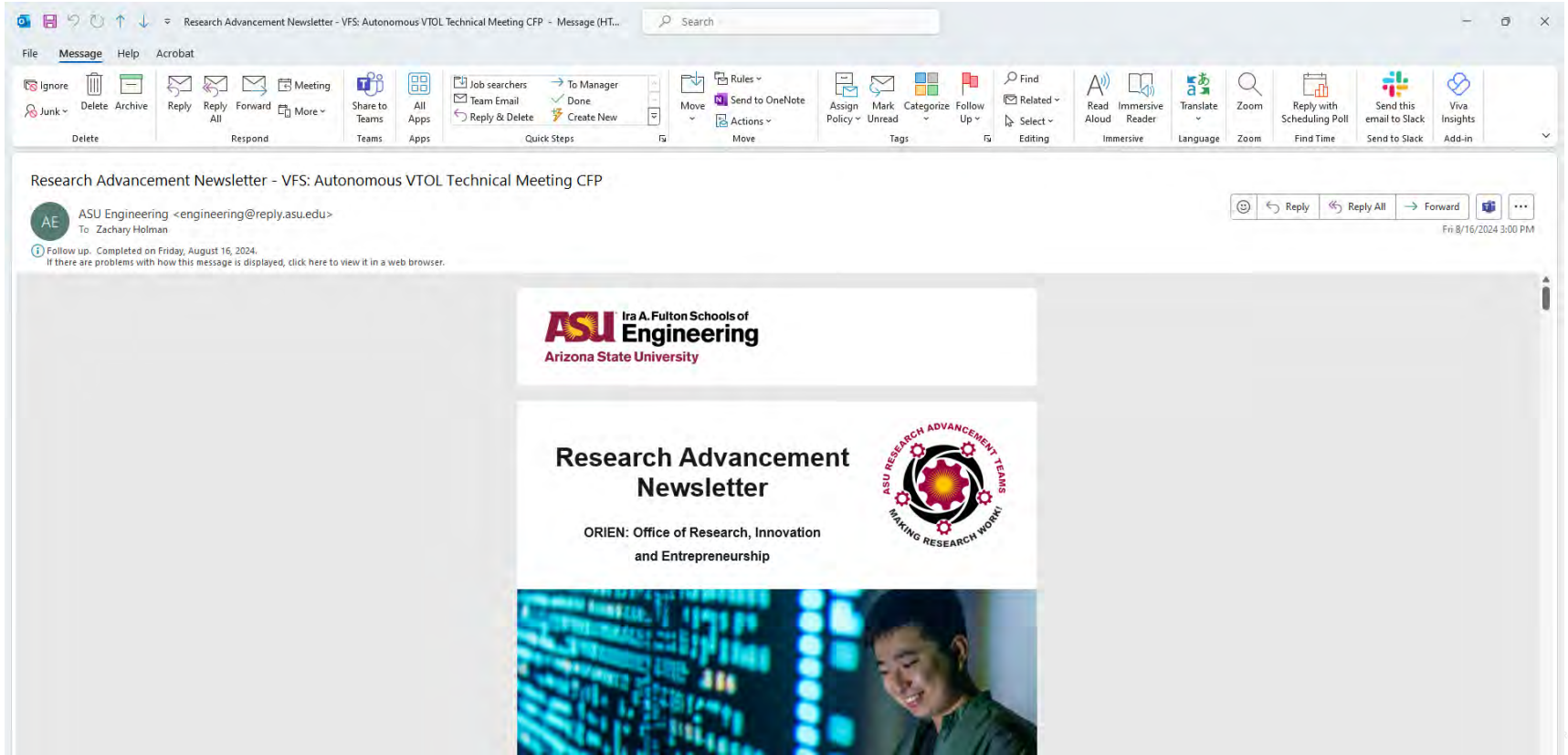
Getting started: Spend your startup (now!)

- You can't have research impact until you spend your startup, and it's hard to get proposals funded until you've demonstrated research impact
- Spend your startup within two years, and don't feel like you have to get everything right

Getting started: Find grant opportunities

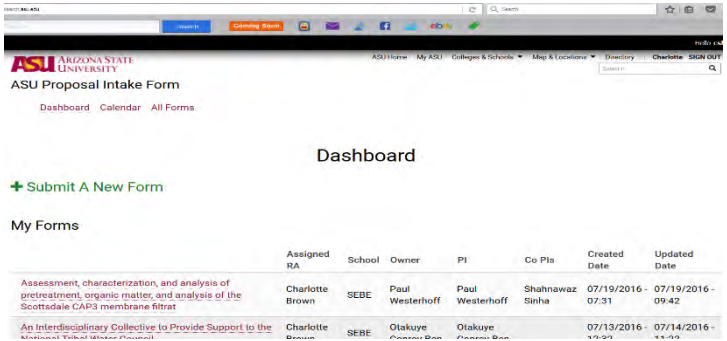


Getting started: Submit proposals

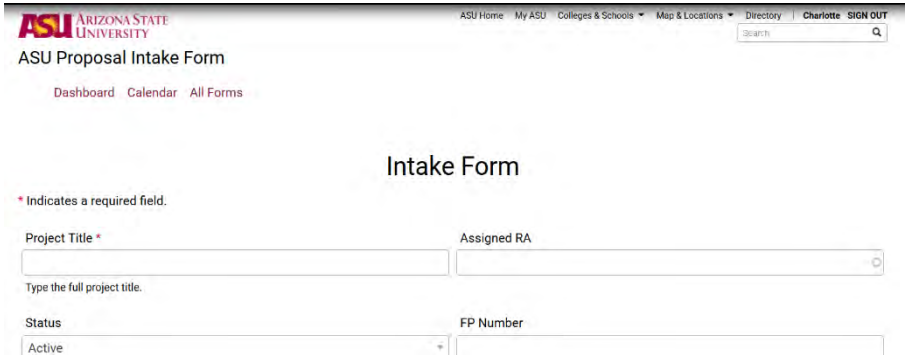
Electronic intake form, https://proposals.research.asu.edu

1. Sign in with your ASURite:

2. Select Submit a New Form:



3. Complete



Please submit the form **MINIMUM ONE MONTH** in advance; longer if large/complex project

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Getting started: Attend workshops

Research Advancement Newsletter

ORIEN: Office of Research, Innovation and Entrepreneurship

NSF CAREER Workshop

NEW!
ORIEN invites eligible FSE faculty to register for a workshop focused on strategies for responding to the NSF CAREER solicitation. This workshop, scheduled for March 22, 2024, will be facilitated by Lucy Deckard (Academic Research Funding Strategies, LLC), who spent 16 years as an engineer conducting applied research and has broad experience helping teams prepare proposals for NSF. The workshop will provide insights on how to plan your CAREER project as well as how to write your CAREER proposal. It will include guest speakers, who will discuss additional resources and ideas, as well as a panel discussion with previous CAREER awardees. After the workshop, in-person attendees are invited to join fellow FSE faculty and staff for a networking lunch.

Register here.

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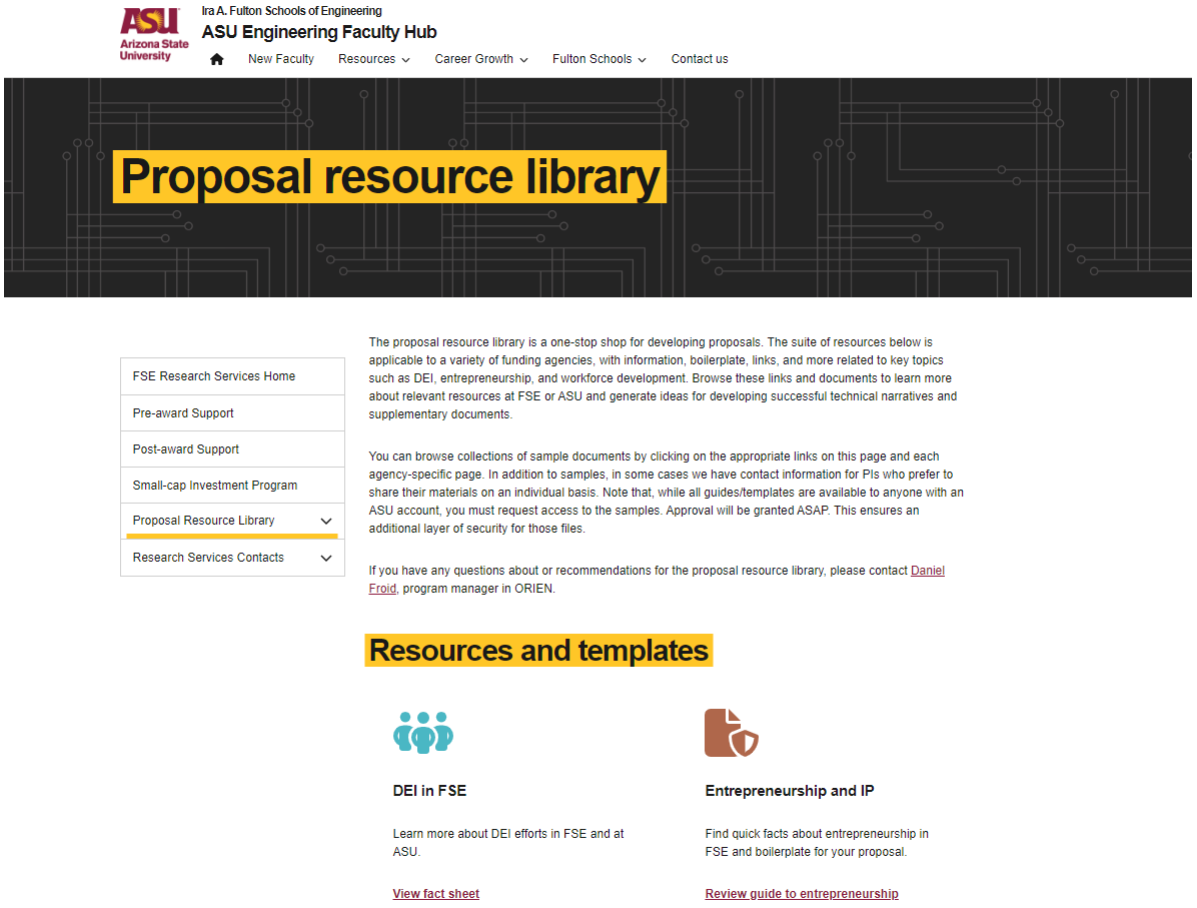
Getting started: Proposal resource library



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Getting started: Build your group

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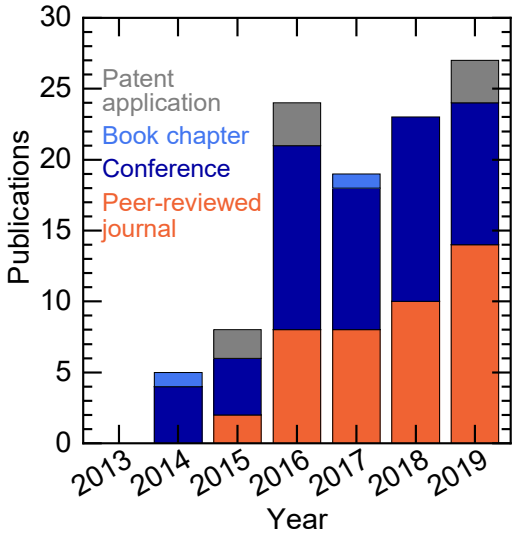
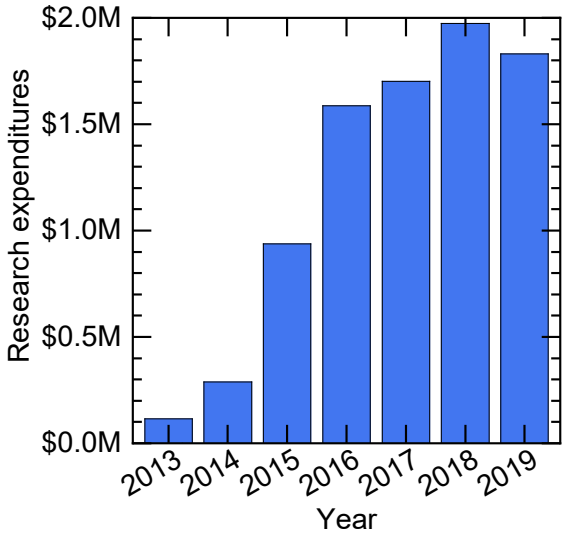
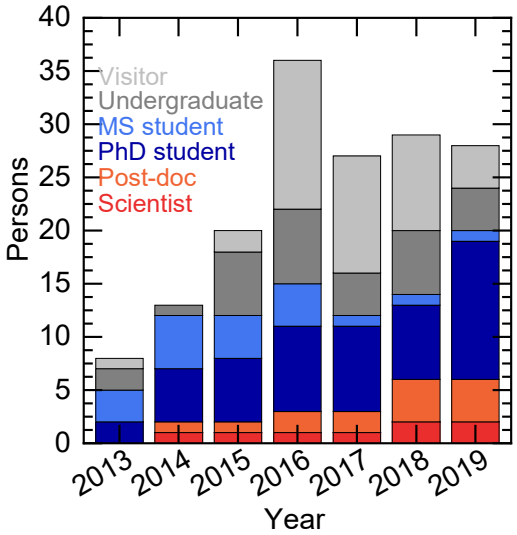
Getting started: Have impact (and fun)!

- I sum up research impact as papers, patents, and people







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Getting started: Research Impact Canvas

Collaborative Networks and Support Entities

Core Research Activities

Core Research Assets

Research Value Proposition

Early detection improves patient outcomes

More sensitive tools can reduce sample sizes in clinical trials (allowing drugs to succeed or fail faster) and better measure patient safety.

Dissemination Channels

Beneficiaries

Patients with neurodegenerative conditions

Neurologists

Pharmaceutical companies

FDA

Mission Cost / Budget

Mission Impact

Early treatment, increased accessibility -> improved quality of life

Reducing neurologist uncertainty for difficult cases

Reducing cost/timeline to accepting effective drugs

Allows FDA to evaluate impact of interventions on speech

Ira A. Fulton Schools of Engineering

Marketing & Communications

Craig Smith
craigsmith@asu.edu

Lanelle Strawder
lanelle.strawder@asu.edu

Arizona State University

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FSE Marcomm Team Leaders

Get to know us!

Stories • Research and academic updates • Social media • Website maintenance • Media relations • Design support • Event promotion

Craig Smith
craigsmith@asu.edu

Director, Strategic Marketing and Communications

Lanelle Strawder
lanelle.strawder@asu.edu

Assistant Director, Marketing and Communications

Jenn Jurewicz
jdisano@asu.edu

Web Team Manager

Dan Traynor
daniel.traynor@asu.edu

Creative Team Manager

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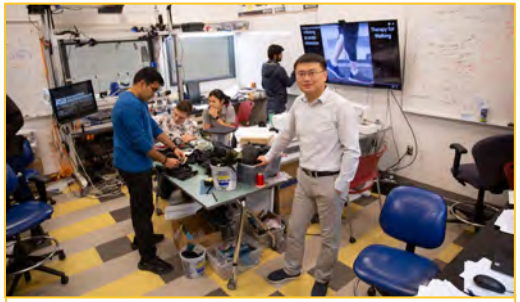
Creative Services Team

What we do



Lab photoshoots

Schedule a time to photograph your lab when it is full of activity with you and your students.

Photos (or custom illustrations) may also be motivated by stories the writing team is working on.

Email creative team manager, **daniel.traynor@asu.edu**

Professional portraits

Visit the University's portrait studio. A great portrait helps us promote and celebrate your accomplishments! Visit the ASU Brand Guide for hours.

brandguide.asu.edu/requests/services/portrait-headshot

Have a request for photos, signage or an idea for a story? Use our online form to request a project:

Communications Project Request Form

We are comprised of creatives who amplify the ASU brand with FSE faculty and students on projects ranging from signage, swag, multi-page publications, flyers, postcards, videos, social media assets and more.

comm.engineering.asu.edu

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Custom marketing pieces

Event marketing

Degree program material

Custom branded swag giveaway Items

Promotional banners for events

Social media graphics

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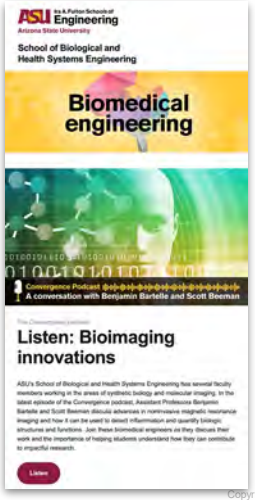
Reputational Marketing

Promotional print mailer

Gatefold print mailer to peer Engineering Deans Fall mailing

SalesForce Marketing Cloud emails to peer Engineering Deans (x2 in Spring, x3 in Fall)

ASEE First Bell email ad campaign (7 ads, May-June)



SalesForce Marketing Cloud emails to peer program chairs (7 emails + 1 podcast)

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Content and embedded teams

What we do

Share impact.

Let the public and other external audiences, including your peers, know about your **latest research news**, significant **awards** and **accomplishments**.

Share **student success** stories.

Develop content.

Produce stories and content for **Full Circle**, the engineering news blog; **ASU News**, the university news site; and other **external media outlets**.

Manage and disseminate news updates to the engineering community via the **In the Loop** (faculty/staff) and **Inner Circle** (student) newsletters.

Build connections.

Manage **public relations** and **external media outreach** for FSE.

Coordinate with ASU Media Relations and other enterprise partners to share your news more broadly.

Support communications functions of research grants (upon review).

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Content and embedded teams

How YOU can help US share your news

We want current and prospective students, the ASU community, parents, alumni, external media and the public at-large to **learn about** your achievements and research advancements.

Giving our team plenty of lead time (3 to 6 weeks or more)

Let us know about research papers of significant impact and those submitted to high impact journals (e.g., imprints for Science or Nature, Advanced Materials, ACS Nano, etc.) **at the time of submission**.

Submitting requests for writing or content editing via the Communications Project Request Form.

Providing as much information as possible

This includes:

- Why this development is newsworthy.
- Contact information for any collaborators.
- Relevant dates if your request is tied to an event.
- Abstracts, paper or proposal, or a description of your work in layman's terms.

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Content and embedded teams

2023–24 Accomplishments

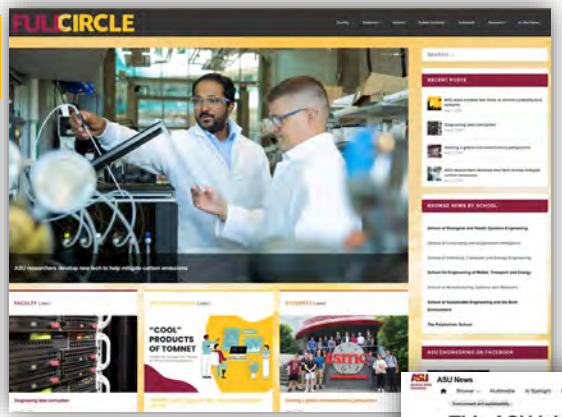
Contributed **+200 pieces of content** to ASU News, making FSE a leader among ASU units for article submissions.

Earned more than **2,400* unique media placements** in online and consumer media outlets, trade publications and industry blogs.

Developing content to support undergraduate and graduate reputational marketing efforts, school/university partnerships, and currently developing profiles for **more than 50 new FSE faculty members**.

Coordinated efforts with ASU Media Relations and the Enterprise Brand Strategy and Management team to yield several **high-impact engineering-related stories**, including:

- Features in multiple issues of ASU's Thrive magazine.
- Highlights in ASU's media and public relations efforts related to the New Economy Initiative and the national microelectronics efforts.
- Extensive media coverage and subject matter expertise among faculty.



Full Circle

ASU News

ASU Thrive

Media engagements

*Media impressions tracked by Cision media reporting services.

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Embedded Team Communications Specialists

Share your good news! Reach out to your school's embedded communicator.

Stories • Research and academic updates • Social media • Website maintenance • Media relations • Design support • Event promotion

Allison Lyne
alyne@asu.edu

School of Biological and Health Systems Engineering

Kelly deVos
kelly.devos@asu.edu

School of Computing and Augmented Intelligence

AJ Montes
amontes@asu.edu

School of Electrical, Computer and Energy Engineering

Roger Ndayisaba
roger.ndayisaba@asu.edu

School for Engineering of Matter, Transport and Energy

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Embedded Team Communications Specialists

Share your good news! Reach out to your school's embedded communicator.

Stories ◆ Research and academic updates ◆ Social media ◆ Website maintenance ◆ Media relations ◆ Design support ◆ Event promotion

Aisha Kaddi
aisha.kaddi@asu.edu

School of Manufacturing Systems and Networks

Lisa Irish
lirish@asu.edu

School of Sustainable Engineering and the Built Environment

Joy Gaeraths
joy.gaeraths@asu.edu

The Polytechnic School

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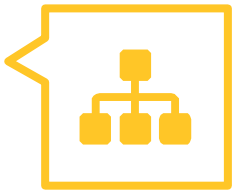
Helpful links to contribute your news

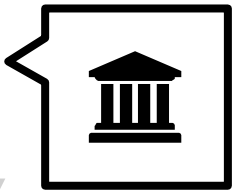


FSE Project Request form

Reach out to the FSE Marketing and Communications team to find out how we can support you.
https://comm.engineering.asu.edu/

In the Loop

Events, opportunities and news for Fulton Schools faculty and staff. Check your inbox for In the Loop emails on Wednesday afternoons. You can also contribute your own updates to your FSE peers here:
https://intheloop.engineering.asu.edu/contribute/



Inner Circle

Find the latest opportunities for Fulton Schools students. Share news and updates for Fulton Schools students here:
https://innercircle.engineering.asu.edu/contribute/

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ASU brand standards

ASU's brand platform is an enduring, strategic internal statement that defines and guides the positioning of the university in the marketplace. It informs how ASU's brand essence is communicated and it helps keep those communications and creative manifestations consistent, unified and complementary.

brandguide.asu.edu

Logos

Logos aren't just embellishments; they concisely represent the university brand. Learn how to use approved logos — and how not to.

Writing style

From email signatures to reports, follow these guidelines to ensure that your audience understands the message you want to convey.

Fonts and typography

When to use Neue Haas Grotesk* and when to use Arial, and how to express the ASU brand through typography.

*Note: Neue Haas Grotesk replaced Akzidenz Grotesk Summer 2022.

Color palette

There's more to our color palette than just maroon and gold. Find the right colors for your digital and printed projects.

Photography and video

From ASU-branded imagery to tips on capturing your own photos and video, these guidelines ensure that your visuals convey the ASU story.

Templates, galleries and libraries

These tools can help you get started quickly and keep your work on brand.

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Other branded templates for your use

Google documents template

Use this template to start any new document with brand-aligned heading, text styles and color palette.

Get the template

Google Sheets template

Start any new spreadsheet from this document to have the ASU color palette and font styles ready for your use.

Get the template

One pager Google Slides template

For those who need a quick streamlined solution to creating on-brand single page or simple multi-page documents and flyers.

Get the template

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Do you need a website?

The Fulton Schools Web Team can help you find a solution.

Learn more about your options at *comm.engineering.asu.edu/websites*

ASU Search

Online directory profiles for everyone at ASU.

Google searches for your name usually display this as the top result.

Easy to update.

WordPress

Our Pitchfork theme is a WordPress website adhering to ASU Web Standards.

Fulton Schools Web Services provides web hosting and software updates.

You maintain it.

Drupal

ASU provides a Drupal theme called Webspark that adheres to ASU Web Standards.

You pay for hosting and maintain your own software updates.

ASU Web Standards

Any website using an ASU domain name (e.g. engineering.asu.edu) must follow ASU Web Standards for page design, font and color palette.

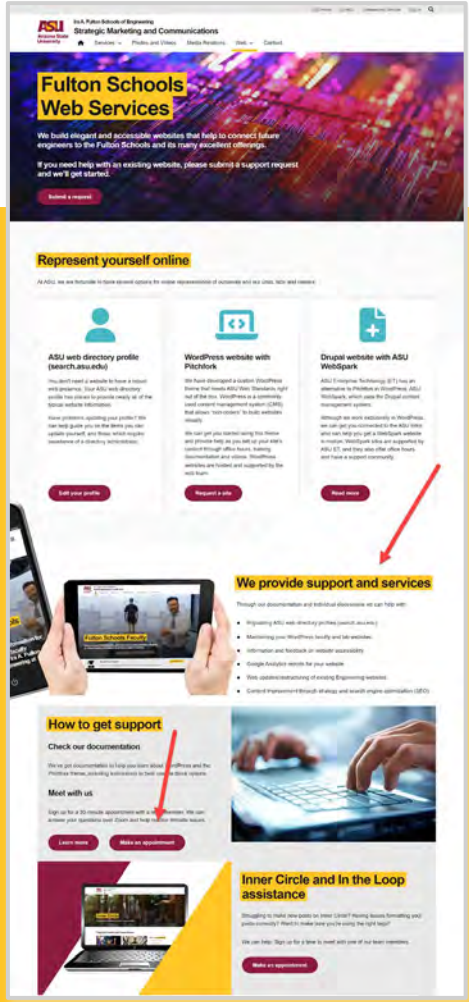
brandguide.asu.edu

Web Services support

If you have questions about using WordPress or need assistance with your website, we're here to help.

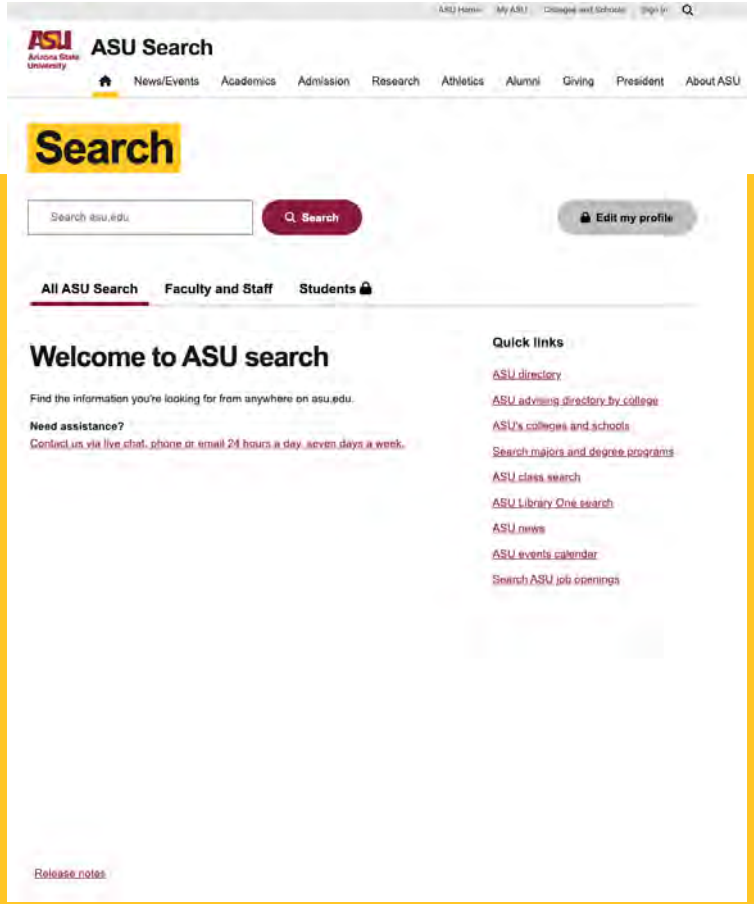
Visit our web page for more information: *https://comm.engineering.asu.edu/web-services*

To set up a meeting with someone from our team, go to the support and services section and click the Make an appointment button.



Web Services support

If you have specific questions about your ASU Search page, please contact Kristin Gasser, Application Developer (IT) at kbgasser@asu.edu.



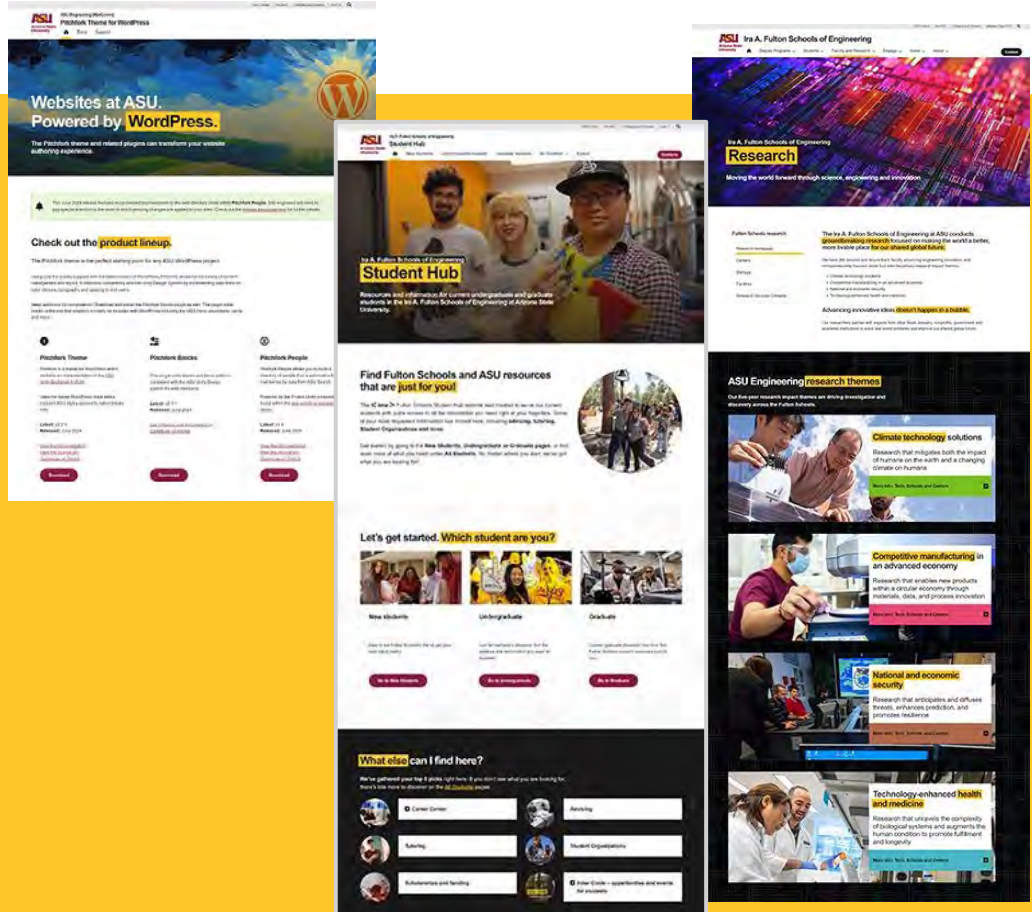
Recent web accomplishments

We are continuing to upgrade our websites to our ASU Web Standards-compliant WordPress theme called Pitchfork. We have developed extensive training materials for our users, most of whom are faculty.

We are nearing completion of migrating websites off our old web host, Pantheon. There were nearly 300 websites on Pantheon. All faculty websites had been hosted on Pantheon and now they are hosted in an improved environment on WPEngine. With the migration, many faculty are getting upgrades to their web presence due to using a theme that was no longer support.

Moved research website content to engineering.asu.edu/research and faculty.engineering.asu.edu. The content was reorganized for different audiences.

Launched the Student Hub website, combining all student-facing websites into one.



Ira A. Fulton Schools of Engineering

Marketing & Communications

Craig Smith
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Lanelle Strawder
lanelle.strawder@asu.edu

Arizona State University

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FSE Facilities Space Planning, Infrastructure and Safety

Prepared by Ricardo Reina
Prepared on 08.12.2024

Overview

1. Interesting Facts
2. Introduction to ASU Facilities Management
3. FSE Facilities and Safety Team
4. School's Facilities Support
5. Equipment Procurement – Best Practice
6. Office Space and Student Seats
7. Research Lab Space
8. Small Infrastructure Changes

1. Fun Facts

- ~2,700 assignable spaces within FSE.
- ~800,000 square feet of assignable space.
- ~290,000 square feet of Research Labs and Lab Support Areas.
- ~370 Responsible Faculty Members (Principal Investigators)
- Across 20+ buildings.
- Across Tempe, Polytechnic, MTW, Health Futures Center.
- Footprint about to grow at West Campus with SIE.
- ISTB12 (~160,000 sf) opening in August 2025 at Polytechnic.
- Research spaces at West Campus projected for Fall 2026.

2. Introduction to ASU Facilities Management

- **Facilities Management and Development (FDM)**
  - ASU's centralized facilities team responsible for anything related to buildings and grounds, including but not limited to the following:
    - Building Maintenance and Repairs, Construction of New Buildings, Remodel of Existing Buildings, Janitorial Services, Keys Management, Landscaping, Infrastructure Modifications, Signage, etc.

- **Environmental, Health and Safety (EHS)**
  - ASU's centralized team implementing and enforcing codes, rules and regulations as related to EHS, including but not limited to:
    - ADA compliance, Fire Protection, Emergency Egress, Handling of chemicals, Radiation Safety, Handling of Hazardous Materials, etc.

2. Introduction to ASU Facilities Management

- **FSE Facilities and Safety**
  - College-level team providing support to all FSE Schools.
  - Typically, the middle-man between FSE Schools and Central Facilities and EHS.
  - Ensuring strategic alignment across all Schools and units of FSE.
  - Ensuring alignment between FSE and University's strategic plans.

2. Introduction to ASU Facilities Management

- **School's Facilities Support (including Lab Management)**
  - First-line support for anything related to Facilities and Labs.
  - Experts on the buildings and labs occupied by their customers.
  - In-depth understanding of operations within the School, on the academic and research side.
  - In-depth knowledge of building systems, infrastructure and EHS codes and regulations.

3. FSE Facilities and Safety – Roles

- **Projects Managers – Cary Stoneman and Scott McAdams**
  - Customer's Representative during the life of a capital project (over $100k), from inception (idea) to construction completion.

- **Projects Coordinator – Albert Victoria**
  - Planning and execution of projects with cost below $100k.
  - Focused on expediting the delivery of lab infrastructure upgrades such as adding or modifying electrical circuits.

3. FSE Facilities and Safety – Roles

- **Research Support Services – Darrian Judkins, Gabriel Casillas, and Michael Wagner**
  - *Provide hands-on support for anything related to supporting research activities within FSE*, including but not limited to: Moving equipment and/or furniture, connecting equipment to utilities, designing and building custom lab furniture (lab benches, etc.), designing and building custom fixtures.
  - Perform space remodel services not requiring a permit, such as patch and paint, installing new carpet, installing new furniture, etc.

3. FSE Facilities and Safety – Roles

- **Assistant Director of Infrastructure and Safety – Rita Bottesch**
  - Liaison with central EHS.
  - Consultant for lab managers, researchers and grad students providing guidance on code compliance and best practices.

- **Director of Facilities Space Planning, Infrastructure and Safety – Ricardo Reina**
  - Oversees space allocations within Schools and across FSE.
  - Liaison with Knowledge Enterprise and University Planning Office.

4. School's Facilities Support – Roles

- **Facilities Manager (sometimes also IT Manager)**
  - 1st point of contact for anything related to Facilities:
    - Environmental Health and Safety (EHS), Space Assignments, Projects, Infrastructure Modifications, Furniture, Moves, etc.

- **Lab Manager**
  - 1st point of contact for anything related to a lab, not limited to Facilities, Infrastructure and Safety.
  - Support for the day-to-day operations of labs.

4. School's Facilities Support – POCs

- **School of Biological and Health Systems Engineering (SBHSE)**
  - Lab Manager – Alana LaBelle (alana.labelle@asu.edu)
  - Research Director – Sarah Stabenfeldt (Sarah.Stabenfeldt@asu.edu)

- **School of Computing and Augmented Intelligence (SCAI)**
  - Lab Manager – Nicholas Beck (Nicholas.R.Beck@asu.edu)
  - Assistant Director of IT and Facilities (lincoln.slade@asu.edu)

- **School of Electrical, Computer and Energy Engineering (SECEE)**
  - IT and Facilities Manager – Nicholas Deardeuff (Nicholas.Deardeuff@asu.edu)
  - Lab Manager – Ashley Jones (Ashley.Jones.3@asu.edu)

4. School's Facilities Support – POCs

- **School for Engineering of Matter, Transport and Energy (SEMTE)**
  - Facilities Manager – Myrna Martinez (myrna.martinez@asu.edu)
  - Lab Manager – Fred Pena (fred.pena@asu.edu)

- **School of Integrated Engineering (SIE)**
  - TBD

- **School of Manufacturing Systems and Networks (SMSN)**
  - Lab Manager – Fabiano Carvalho (Fabiano.Carvalho@asu.edu)
  - Assistant Director for Lab Management – Bruno Azeredo (Bruno.Azeredo@asu.edu)

4. School's Facilities Support – POCs

- **School of Sustainable Engineering and the Built Environment (SSEBE)**
  - Lab Manager (Wet Labs) – Jason Jedinak (jason.jedinak@asu.edu)
  - Lab Manager (Dry Labs) – Jeff Long (jjlong@asu.edu)
  - IT and Facilities Manager – Garrett Perea (garrett.perea@asu.edu)
  - Associate Director – Matt Fraser (Matthew.Fraser@asu.edu)

- **The Polytechnic School (TPS)**
  - Lab Manager – Rhett Sweeney (Rhett.Sweeney@asu.edu)
  - Lab Manager – Ashok Kumar (avkumar1@asu.edu)
  - IT and Facilities Manager – Kevin Steverson (Kevin.Steverson@asu.edu)

5. Equipment Procurement – Best Practice

- Lab Manager can provide a quick review to verify if all the right capabilities (power, gases, etc.) are available in the space to accommodate the new equipment.

- If additional space or infrastructure modifications are necessary, the Lab Manager can get the process initiated to figure out the timeline and cost.

- Lab Manager can provide guidance on shipping address and how to get the equipment into the lab and properly installed.

6. Office and Seats for Grad Students

- Handled at the School level.
- School Facilities Manager or Lab Manager will contact new hire to provide office assignment before arrival to ASU.
- School Facilities Manager or Lab Manager will ensure provide information on seats available for grad students and post-docs.
- Existing faculty can reach out to School's Facilities Manager when they need additional office space or student seats.
- Changes to office furniture can be requested with the School's Facilities Manager.

7. Research Lab Space

1. Permanent Lab assignments are often not ready on day 1, but School plans for temporary lab space to available for new hire as soon as possible.

2. FSE Project Manager gathers all the space and infrastructure requirements directly from researcher, including but not limited to detailed description of research, equipment list, chemicals and gases inventories and other special requirements.

3. FSE PM reviews requirements with FSE Safety, School's Facilities Manager and Lab Manager and other technical experts.

7. Research Lab Space

3. FSE Director of Space Planning works with School leadership to determine the best available lab space and if there will be a need for capital renovations.

4. FSE Director or School Director notifies new hire of lab assignment and discuss next steps and corresponding timeline.

5. If lab requires minor infrastructure upgrades, researcher can start using the space right away and execution of changes typically take about 2 months.

7. Research Lab Space

7. If lab requires major renovations (over $100k in cost), a capital project will be required, and it usually takes 9-12 months for execution.

8. For lab renovations involving a capital project, the faculty member will be invited to participate in formal design development meetings and will receive regular updates design and construction.

8. Small Infrastructure Changes

- Small infrastructure improvements included but are not limited to moving power outlets, additional power circuits, connecting equipment to exhaust, among others.
- Those type of changes should be requested to the School Facilities Manager or Lab Manager.
- Typically take 4-8 weeks for completion.
- Research is responsible for cost.

Backup Info

ASU color palette

Primary colors. These should be your first color choices and used more prominently than secondary colors

ASU Gold	ASU Maroon	ASU Black	ASU White
#FFC627	#8C1D40	#000000	#FFFFFF

Secondary colors. Use as accents. Only use in addition to primary. May not to be used without primary brand colors.

ASU Green	ASU Blue	ASU Orange	ASU Copper	ASU Turquoise	ASU Pink	ASU Gray
#78BE20	#00A3E0	#FF7F32	#AF674B	#4AB7C4	#E74973	#747474

ASU Grayscale. For text, line and fill colors. ASU Gray is a part of this scale.

ASU Black	Gray 1	Gray 2	ASU Gray	Gray 4	Gray 5	Gray 6	Gray 7	ASU White
#000000	#191919	#484848	#747474 (Gray 3)	#BFBFBF	#D0D0D0	#E8E8E8	#FAFAFA	#FFFFFF

Color tints. Brand palette tint variations for use in data visualizations and spreadsheets

25% ASU Gold	25% ASU Maroon	25% ASU Green	25% ASU Blue	25% ASU Orange	25% ASU Copper	25% ASU Turquoise	25% ASU Pink
#FFF1C9	#DFC9CF	#E9F5DB	#D6F0FA	#FFEADE	#EBD9D2	#D2EDF0	#F9D1DC

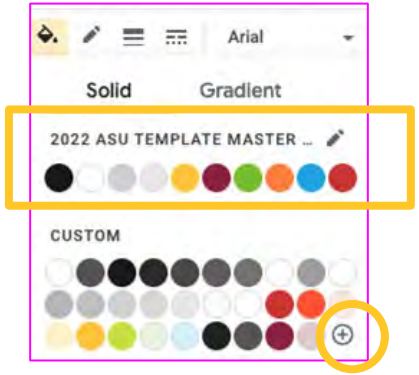
Error Red
#CC2F2F

For digital use only to indicate system errors, issues or negative number values.

How to change colors

rs listed as part l ASU presentation theme.

When choosing text and background color combinations, **the more contrast between the two colors, the more readable it will be for your audience**.



Note: There is a maximum number of spots available for template colors. **To use colors shown on this slide that are not part of the template master,** click the '+' and add them using the six character #Hexcode number listed on this slide..

https://brandguide.asu.edu/brand-elements/design/color

Ira A. Fulton Schools of Engineering
Arizona State University

Ira A. Fulton Schools of Engineering
Arizona State University

FSE Dean's Office, Infrastructure and Safety Team

Lab Safety Culture

Helping you navigate through planning and implementation, to facilitate your research needs.

FSE DO Infrastructure and Safety Team

Rita Bottesch

Assistant Director,

Ira A. Fulton Schools of Engineering (FSE)

Rita.Bottesch@asu.edu (480) 965-7138

Rita has worked in this FSE Role for 5 years. She worked in the FSE ECEE School as a Lab Manager for 3 years. She brings 26 years of Semiconductor Manufacturing Industry experience; 15 years at Intel, and 11 years at ASU FEDC (at ASU's Research Park). Her Cross-Functional Engineering Disciplines experience in Technical Leadership Roles enables Quality Support for FSE.

The FSE DO IaST are Dedicated Safety Specialists responsible for the over-arching Safety Responsibilities across all FSE Schools.

FSE DO Infrastructure and Safety Team

- A Team devoted to providing safety and services for all FSE schools, faculty, researchers, staff, and students.
- Primary Goal: Provide a central hub of resources and information to assist day-to-day and long-term activities, while ensuring safe work, research, and learning environments.
- Comprised of representatives that include safety professionals in each FSE school. Our concept is to focus on Safety rather than just compliance.
- Department Contacts are your first line of defense: Infrastructure/IT Managers, Teaching Lab Managers, and Research Lab Managers.
- Website: **https://safe.engineering.asu.edu/laST**

FSE DO Infrastructure and Safety Team

Name	Email	FSE School	Title
Showmik Alam	Showmik.Alam@asu.edu	SBHSE	Laboratory Coordinator, Sr.
Nick Beck	Nicholas.R.Beck@asu.edu	SCAI	Laboratory Manager
Rita Bottesch	Rita.Bottesch@asu.edu	FSE DO Infra. and Safety Team	Asst Director
Leonard Bucholz	Lenny.Bucholz@asu.edu	SEMTE	MAE Machine Shop Manager
Fabiano Carvalho	Fabiano.Carvalho@asu.edu	MSN	Research Lab Manager - Asst Prof.
Paul Dahlen	Paul.Dahlen@asu.edu	SSEBE	Research Lab Manager - Asst Prof.
Nick Deardueff	Nicholas.Deardueff@asu.edu	ECEE	Manager, Information Technology
Sean Dengler	dengler@asu.edu	TPS	Laboratory Support
Justin Herring	Justin.Herring@asu.edu	ASA	Facilities Supervisor
Jason Jedinak	Jason.Jedinak@asu.edu	SSEBE	Laboratory Manager, Eng
Ashley Jones	Ashley.Jones3@asu.edu	ECEE	Laboratory and Safety Manager
Steve Jordan	steven.ross.jordan@asu.edu	SEMTE	Laboratory Manager
Darrian Judkins	Darrian.Judkins@asu.edu	FSE DO Infrastructure RSS	RSS Shop Manager
Dallas Kinsbury	kingsbury@asu.edu	SEMTE	Laboratory Manager
Alana Labelle	asmit16@mainex1.asu.edu	SBHSE	Laboratory Manager
Jeffrey Long	jjlong@asu.edu	SSEBE	Laboratory Manager, Eng
Myrna Martinez	Myrna.Martinez@asu.edu	SEMTE	Facilities Services Manager
Scott McAdams	Christopher.McAdams@asu.edu	FSE DO Infra Facil.	Project Manager
Cameron Noe	cnoe1@mainex1.asu.edu	TPS	Laboratory Support
Josh Patton	Joshua.D.Patton@asu.edu	TPS	Machinist Sr.
Fred Pena	Fred.Pena@asu.edu	SEMTE	Laboratory Manager
Ricardo Reina	Ricardo.Reina@asu.edu	FSE Facilities, Space Plan. & Assmt.	Director
Lincoln Slade	Lincoln.Slade@asu.edu	SCAI	Asst Dir Information Technology
Bruce Steele	Bruce.Steele@asu.edu	SEMTE	Laboratory Manager
Cary Stoneman	Cary.Stoneman@asu.edu	FSE DO Infrastructure Facil.	Project Manager
Rhett Sweeney	Rhett.Sweeney@asu.edu	TPS	Laboratory Manager
Beau Yonge	Beau.Yonge@asu.edu	EDO/ASA	Facilities Coordinator

FSE DO Infrastructure and Safety Team

- As a Team, we combine and implement a higher level of Safety Standard through elevating each FSE School by shared experience/ knowledge and Best-Known Methods/ Practices from each area of Expertise. We have many Industry Experienced Team members.
- We come together to discuss Safety Issues/ Concerns across all Engineering Disciplines. Many of our Lab Managers support Labs that have Interdisciplinary Science Research Teams. We learn from each other's successes and incidents. We adapt quickly to evolving technology and research activities.
- Teaching Labs provide a setting for learning with controlled experiments and Safety oversight. Students receive instruction in the Lab setting and learn through hands-on experience about the Safety aspects of the Research Activity within the Lab setting. Training requirements are met prior to any work being performed in the Labs. Demonstrated skills are a requirement to move to independent work in a Lab. Teaching Lab Pre-requisites ensure someone is trained prior to working in the Lab.
- We are available for reviewing specialty areas of concern or new areas of Research. We can guide you to resources or information in areas that are leading edge. We provide assistance with any Lab Specific Safety Training needs.

Our Team is here to assist:

Support for All FSE Schools of Engineering

Support for All FSE Schools of Engineering (Offices, Classrooms, Teaching Labs and Research Labs).

Provide Communication for required ASU EHS Safety Training.

Assist with Lab Documentation for Lab startup, forms and template files to aid in your startup.
New Lab?

Provide guidance and help create an environment that promotes sharing best known methods and safety practices from all FSE Labs.

Liaison for FSE to other functional groups: ASU Facilities Management, ASU Safety Partners (Environmental Health and Safety – EHS), Enterprise Technology (ET – computing support), and Business Services.

Resource for Information and Guidance

Link people to guidance information and resources they need to accomplish their duties in a safe and effective manner. **New-chemical?**

Provide services to support Safe Lab Activities:
. Lab Registrations;
. Lab Safety Inspections;
. Chemical approvals prior to Chemical orders;
. SOP (Standard Operating Procedures) templates;
. Reviews for chemical processes prior to use;
. Reviews for hazardous tasks prior to use;
. Lab Renovation Design Reviews;
. Follow-up to closure on all Environmental Health and Safety issues.

Resource to FSE and ASU Community

Participate on University-wide and FSE Safety Programs/Teams. Ensure adherence/compliance to all regulatory laws, rules, and guidelines.

Serve as role models for EHS best practices, as well as behavior and communications to create a focus on Safety Culture.

We are dedicated to “keeping students safe”. We promote and facilitate lab safety culture for FSE. We encourage people to engage their daily activities with a focus on Safety.

We welcome all questions and dialogue on research activities.

Please feel free to email us on any topic.
We are available to meet with you in your Research environments or office areas.

Thank you for your time.

Welcome New Faculty

Jim Collofello
Vice Dean Academic and Student Affairs

ASA Activities

- Recruitment
  - Outreach
- Retention
  - E2 camp
  - FSE 100, ASU 101, Homework Zero
  - UGTAs
  - Tutoring
  - Intervention for struggling students
- Residential Communities
- Scholarships

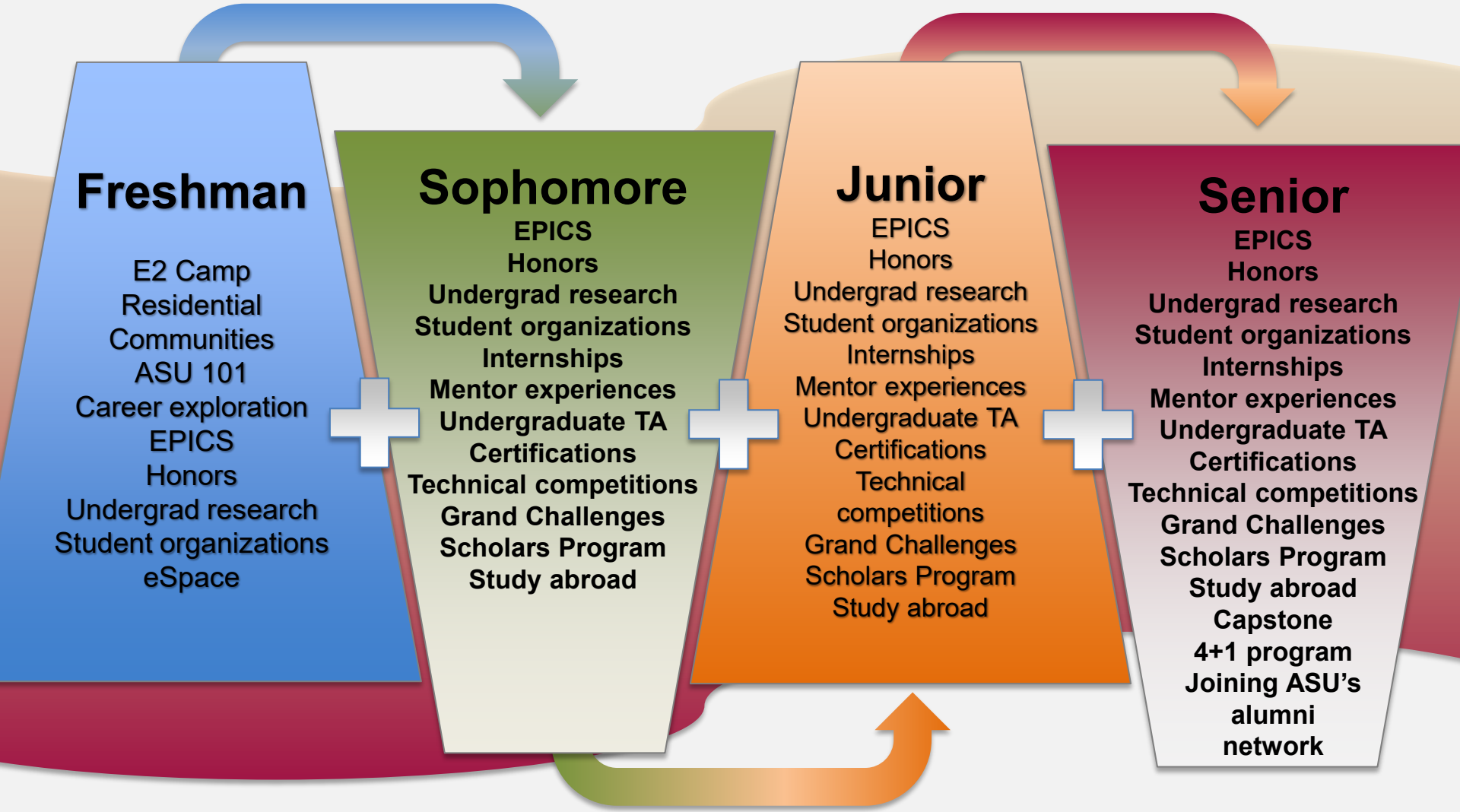
mentors

eSpace

ASA Activities

- "Fulton Difference"
  - FURI
  - EPICS
  - GCSP
  - Internships
  - Student organizations and student government
- Tutoring services
- Academic Administration
- Accreditation
- Quality of Instruction
- Continuous curriculum improvement

Mapping the Fulton Student Experience



innovators
& entrepreneurs

We can help you with …

- Academic integrity and medical withdrawals
- Working with underrepresented populations in grant proposals
- Student data
- Outreach activities
- Connecting with employers of our students
- Course logistics that cannot be handled at the program level
- Funding for an undergraduate student to help with your research -- FURI

We can use your help with …

- Participation in our programs
- Creating a great learning environment for your students
- Sharing your knowledge and insights on how we can better serve our students

Policies and Procedure

- FERPA : Release of Student Information

http://www.asu.edu/aad/manuals/ssm/ssm107-01.html

- Academic Integrity Policy

https://engineering.asu.edu/integrity/

- ASU Counseling Services

https://eoss.asu.edu/counseling