

Engineering a sustainable future

The Fulton Schools of Engineering at Arizona State University seeks a highly accomplished scholar and strategic leader as director of the **School of Sustainable Engineering and the Built Environment (SSEBE)**. SSEBE is a multidisciplinary school with academic programs and research interests spanning a wide range of topics unified by the underlying theme of sustainability in civil engineering, construction engineering, construction management, environmental engineering, and sustainable engineering.

The director of the school reports to the dean of the Fulton Schools of Engineering and is the academic and administrative leader of the school. The director is responsible for visioning, strategic planning, operations, finance, academic affairs, external relations and advancement. These activities include working with faculty and staff to recruit and retain high quality students, hire and develop faculty, supervise SSEBE support staff, create opportunities for externally funded research, development and fundraising, and building strong interactions with industry, local, state and federal funding agencies, and the greater community.

In the Fulton Schools of Engineering, one of our key goals is to engineer a sustainable future by producing the discoveries, workforce and translational impacts critical to advancement of our built environment.

The **School of Sustainable Engineering and the Built Environment** is committed to achieving this ambitious goal. Our faculty, staff and students are meeting today's challenges while generating the ideas critical to building a sustainable future. We are working across the traditional disciplines that underlie our school and linking to others such as chemistry, biology, materials, and the behavioral sciences to develop use-inspired solutions to address the grand challenges of our time.

We value the diversity in our faculty and students that is important for our future workforce, and improve the ways our faculty are addressing the resilience of our infrastructure, new paradigms for water treatment, next generation transportation issues and renewable energy, among many other areas.

These challenges capitalize on the core expertise of our faculty and their inherently interdisciplinary approach to teaching and research that is critical to the future of the built environment.

SSEBE currently employs nearly 50 tenured/tenure-track faculty members and around 20 teaching and research faculty. The SSEBE program faculty deliver degrees in civil, environmental and sustainable engineering (BSE, MS, PhD), construction engineering (BSE, MSE), construction management (BS, MS, PhD), environmental engineering (BSE), and sustainable engineering (online MSE). Each has a program chair who reports to the director and leads curriculum development and program advancement. The construction-oriented degrees are offered through SSEBE's Del E. Webb School of Construction programs. SSEBE has over 1,300 undergraduate students and a graduate enrollment of over 400 students.

Research expenditures FY2017

\$18,195,803

Degree Programs

Civil, environmental and sustainable engineering (BSE, MS, PhD)
Construction engineering (BSE, MSE)
Construction management (BS, MS, PhD)
Environmental engineering (BSE)
Sustainable engineering (online MSE)

48 tenure or
tenure-track
faculty
12 research
faculty
6 full-time
lecturers
3 professors of
practice

425
degrees granted
FY2017-18
*estimated

1,721
Fall 2017
enrollment

SSEBE is one of six schools in the **Ira A. Fulton Schools of Engineering**. The Fulton Schools of Engineering includes over 21,000 students and 450 faculty members who conduct over \$100 million in research, spanning a broad range of engineering, construction, and technology fields. The schools' educational programs emphasize problem solving, entrepreneurship, multidisciplinary interactions, social context, and connections. Arizona State University includes more than 100,000 students and over 3,300 faculty on multiple campuses in metropolitan Phoenix as well as online. SSEBE is home to some of the fastest growing civil, environmental, and construction programs in the country, and the director will have a unique opportunity to position the school as a leader in these fields. Additional information can be found on the SSEBE and Engineering websites at: ssebe.engineering.asu.edu and engineering.asu.edu.

Successful candidates should have a PhD degree in civil, environmental or construction engineering, or a closely related field and be eligible to be appointed as a tenured full professor in the school. Review of applications will begin September 3, 2018; if not filled, additional applications will be reviewed on the 1st and 15th of the month thereafter until the search is closed. To apply, visit hiring.engineering.asu.edu and select "apply now" next to the corresponding position. Candidates should create or use an existing Interfolio Dossier and submit a CV and cover letter describing professional background, qualifications, and vision for the school through the dossier. Inquiries can be directed to the search committee chair, Prof. Edward Kavazanjian by email or phone; Edward.Kavazanjian@asu.edu; (480) 727-8566.

Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law. See ASU's full non-discrimination statement (ACD 401) at asu.edu/aad/manuals/acd/acd401 and the Title IX statement at asu.edu/titleIX.

Research & faculty

at the interface of Sustainable
Engineering and Science

SSEBE faculty had annual research expenditures of over **\$18M for FY2018** and these are expected to grow as SSEBE continues to evolve and provide leadership in pursuing major funding opportunities in sustainability- and infrastructure-related research areas.

SSEBE research programs include:

Two NSF Gen-3 Engineering Research Centers

Center for Bio-mediated and Bio-inspired Geotechnics (CBBG)

Center for Nanotechnology-Enabled Water Treatment (NEWT)

Two research centers affiliated with the Biodesign Institute at ASU

Swette Center for Environmental Biotechnology

Center for Environmental Health Engineering

Arizona Center for Algae Technology and Innovation (AzCATI)

SSEBE faculty have joint appointments with the School of Sustainability, the School of Design and the School of Earth and Space Exploration and are engaged in and have numerous opportunities to grow interdisciplinary initiatives across the University.

National Academy of Engineering Members

Edward Kavazanjian, Jr.
Bruce Rittmann

National Academy of Construction Members

G. Edward Gibson, Jr.
William Badger (emeritus)