

civil engineering

EDUCATION SUMMIT

Empowering Innovation

date

APRIL 3-5,
2023

location

CLEMSON UNIVERSITY
CLEMSON, SC



Empowering Innovation

The ASCE Civil Engineering Education Summit, held in Dallas, Texas in May 2019, brought together over 200 educators, practitioners, and other professionals to consider the future opportunities and challenges related to preparing civil engineers to address and meet society's needs. Summit discussions and workshops identified four major objectives as initial pathways toward achieving the goals:

Objective 1:
Re-examine,
and potentially redefine,
the domain of
Civil Engineering.


Objective 2:
Elevate professional
skills to a truly equal
footing with technical
skills.

Objective 3:
Develop a diverse,
inclusive, equitable,
and engaging culture
in the profession.

Objective 4:
Foster an
ongoing commitment
to transformative
education.

Through the National Science Foundation Revolutionizing Engineering Departments (RED) program, numerous engineering and computer science departments have taken on many of these same challenges. The RED projects have produced a wealth of information about academic change processes, and the RED Participatory Action Research Team at Rose-Hulman and the University of Washington has followed the work of these teams and captured the secret sauce to help others achieve their desired changes. The 2023 ASCE Civil Engineering Education Summit will share adoption-ready transformations created by the NSF RED program, tools and training designed to equip teams with the skills necessary to accomplish their academic change goals, access to industry partners who can help create change, a robust network of change partners, and opportunities to define future academic change for our profession and our global society. The conference will be held April 3-5, 2023 at Clemson University on the shores of Lake Hartwell in Clemson, South Carolina. We hope you will join us, take the challenge, and be the change!

Program Highlights

Monday, April 3, 2023 (All Day)	Tuesday, April 4, 2023 (All Day)	Wednesday, April 5, 2023 (Til Noon)	
Welcome and Opening Remarks	Musings from an NSF RED Team	Moving Mountains - A stone at a time!	
Funding Opportunities - NSF RED Director	University-Industry Partnerships	REDPAR Workshop: Telling Your	
Rewind: 2019 Engineering Education Summit	Out and About Partnership Visits	Change Story	
NSF RED Civil Lightening Round		Obj 1 - WU+D Sustainability Collaborations	ASCE Leading the Way
REDPAR Workshop: Creating Shared Vision		Obj 2 - Mock Charrette Connecting Industry	Wrap Session
Breakout Session 1		Obj 3 - Woodland Cemetery Studio Project	 <p>Scan for Conference Website</p>
Obj 1 - Inclusion Revolution	Obj 4 - Arch Initiatives Springer Test Day		
Obj 2 - Cultivating Effective Teamwork	REDPAR Workshop: Creating Strategic		
Obj 3 - Climate Assessment Workshop	Partnerships		
Obj 4 - Industry: Beyond the Capstone Juror	Breakout Session 3		
Breakout Session 2	Obj 1 - Future World Vision in Action		
Obj 1 - Advancing AI/ML in CE	Obj 2 - Writing (and Grading) in the Discipline		
Obj 2 - AI/ML for Oral Communication	Obj 3 - The Power of Neurodiversity		
Obj 3 - Beyond Technical Content	Obj 4 - ExCEEed at Foundational Courses		
Obj 4 - Transforming Infrastructure Education	<i>U-PICK Dinner Options:</i>		
Innovation Poster Session/Reception	Baseball & Dogs (Clemson v. Coastal Carolina)		
Sunset Dinner by the Lake	Dine Around (Patrick Square or "Downtown")		

Programs are encouraged to send two or more faculty/administrators to benefit more deeply from collaborative conversations during hands-on workshops. The final program, registration, and accommodations can be found at <https://www.scltap.org/2023-education-summit/> or by using the QR code above. Please contact Jennifer Ogle <ogle@clemson.edu> with questions. See you soon!