

# 2023 Frontiers in Education Conference

## TEXAS A&M POSTER SESSION

Poster	Poster Title & Authors
1	<b>"Where Did My Stomach Go?"</b> Andrew Conkey
2	<b>Advancing Engineering Education: Investigating Effective Instructional Strategies and Promoting Educational Technological Innovations</b> <i>Saira Anwar, Umer Farooq, Syeda Fizza Ali, Daniel Bang, Ayden Perez</i>
3	<b>Bringing Authenticity to Group Projects: Example from a Junior-Level Computer Science Course</b> <i>Shawna Thomas, Robert Lightfoot</i>
4	<b>Empowering Workforce Capabilities: The Gulf Coast Center of Excellence's Educational Initiative</b> <i>Digvijaysinh Barad, Umer Farooq, Saira Anwar, Matthew Elliott, Bryan Rasmussen</i>
5	<b>Enculturation and Computational Thinking</b> <i>Noemi V. Mendoza Diaz, Deborah Trytten, Russ Meier</i>
6	<b>Engineering Education at the NUA2NCED Lab</b> <i>Kristi Shryock</i>
7	<b>Engineering Enrichment Program for Qatar Aggies</b> <i>Bilal Mansoor, Lana Ladki, Saira Anwar, Yasser Al-Hamidi</i>
8	<b>Industry Sponsored Capstones - Experiential Learning in Action</b> <i>Pauline Wade</i>
9	<b>Monolithic Integration of Multi-Functional Complex-Oxides on Semiconductor for Integrated Photonics and Applications</b> <i>Pao Tai Lin</i>
10	<b>Overview of Cyber-physical Systems Security and Intrusion Detection Systems</b> <i>Hussein Alnuweiri, Ahmad Al-Khateed, Haitham Abu-Rub, Sertac Bayhan</i>
11	<b>Project-based Experiential Learning in a First-Year Engineering Programming Class Using the Engineering Design Cycle</b> <i>Shana Shaw</i>
12	<b>Research Lifecycle &amp; Publication in Engineering</b> <i>Dianna Morganti</i>

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13	<b>Research Tools to Educate Undergraduate Chemical Reaction Engineering, Catalysis, and Advanced Chemical Kinetics</b> <i>Manish Shetty</i>
14	<b>SedimentSketch, Teaching Tool in and Beyond the Sedimentology Classroom</b> <i>Anna Stepanova, Md Maklachur, Saira Awar, Juan Carlos Laya, Carlos Alvarez Zarikiiian, Tracy Hammond</i>
15	<b>Sketch Recognition Lab Research</b> <i>Tracy Hammond</i>
16	<b>Solar Texas: Building Capacity for Passive Survivability on the Road to Net-Zero</b> <i>Filza Walter, Zofia Rybkowski, Gregory Luhan</i>
17	<b>TCORPS: Teams for Creating Opportunities for Revolutionizing the Preparation of Students</b> <i>Arun Srinivasa, Rujun Gao, Luis Rodriguez, Emma Erdoga, Cynthia Hipwell, Mindy Bergman, Karan Watson, Guillermo Aguilar</i>
18	<b>Teaching Online Labs at Texas A&amp;M College of Engineering</b> <i>Garth Crosby, Bugrahan Yalvac</i>
19	<b>The Effects of Formative Assessment on Students' Attitude Toward Learning and Design Skills: Perspective from a Senior-Level Design-Based Course</b> <i>Muhammad Zilany, Iqra Yakub, Syed Ahmad</i>
20	<b>The Impact of 1-hr Bootcamp Course on Student Learning of a Biotransport Course</b> <i>Hatice Ceylan Koydemir</i>
21	<b>The Impacts of TAMUS LSAMP Project: Over 30 Years of Success</b> <i>Karen Butler-Purry, Shannon Walton, John Avila, Niyazi Erdogan</i>
22	<b>UNITES: Undergraduate Improving Teamwork Skills</b> <i>Jonathan Weaver-Rosen, Mohammad W Mohiuddin, Joanna Tsenn, Shadi Balawi, Carlos Corleto</i>
23	<b>Writing Assessment Training for Instructors</b> <i>Joanna Tsenn, Jessie Cortez</i>