Student Posters (ECSW 2.100)

Poster Type	Poster Number	Poster Session	Authors	Poster Title
Student	1	Monday & Tuesday	Dave Worth, Alex McGaw, Connor Murdock, Kiera Chang	Hail Cannon
Student	2	Monday & Tuesday	Sagar Sah, Adeola Salako, Brandon Caltrider, James Ray, Keith Bryant	Portable Solar-Powered Water Desalination System
Student	3	Monday & Tuesday	Evan Alexander, Nicholas Guidoboni, Gabriel Katz, Andres Marquez	Teaching STEM Concepts to Blind Students
Student	4	Monday & Tuesday	Jake Carter, Maritza Aguirre-Diaz, Nathan Chen, Lindsay Ryan	Educational Tongue Musculature Model
Student	5	Monday & Tuesday	John Jamir Consengco, Michelle Sabers, Arman Avagian, Adrian Ruiz Diaz, Abbas Juzar Roopawala	Aquatic and Recreational Center Design
Student	6	Monday & Tuesday	Arian Namavar, Ryan Sakuma	AI Driven Personalized Menu Content for Drive Thru Customers
Student	7	Monday & Tuesday	William Clark, Coleman Bond, Jonathan Cox, Nathaniel Smith, Diego Martinez, Martin Viassolo	LANL Multi-Axis Strain Measurement Device
Student	8	Monday & Tuesday	Jordan Steverson	Anti-Sag Shock-Absorber for Gate Control
Student	9	Monday & Tuesday	Spencer Ciammitti, Emmanuel Enriquez, Diana Meyer, Jocelyn Reynolds, Madelyn Reynolds, and Julia Starkey	REDIEM- Renal Extremity Device to measure Impedance, Edema and Movement
Student	10	Monday & Tuesday	Nicole Statler, Chris Vuong	Joint UArizona UMass Project - Smart Rocks - A Network of Covert Smart Sensors
Student	11	Monday & Tuesday	Emily Grasso	Smart Lysimeter: An Autonomous, Low-Cost, and Portable Lysimeter for Use in a Greenhouse System
Student	12	Monday & Tuesday	Joseph Deneke, Sarah Foss, Christina Ishak, Mikhael Kadyrkaev	Fused Deposition Modeling for Fiber-Reinforced Composites
Student	13	Monday & Tuesday	Emily Batts, Pryor Gibson, Sam Huneycutt, Jasmine Gaston	Proximity and Noise Detection Alarm for Outdoor Applications
Student	14	Monday & Tuesday	Colton McKay, Matt Hummel, Michael Hall, Nathan Lee	6-DOF Robotic Manipulator
Student	15	Monday & Tuesday	Derek Lee, John Cuviello, Evan Cheng, Alec Chen, Angel Alarcon	End-to-end Data Pipeline for Chemical Documents
Student	16	Monday & Tuesday	Payton Brown, Mitchell Gregory, Patrick Andreou, Isaiah Reade	Lithium-Ion Battery Thermal Control System
Student	17	Monday & Tuesday	Henry Beckstein, Leo Lavigne, Evan Millison, Rohan Xavier Sequeira, Yueh-Lin Tsai, Joseph Zeolla	Optimizing Lane Centering Assist Test Equipment
Student	18	Monday & Tuesday	Mitchell Cabral, Clarice Rucklos, Anthony Aliotti, Jasmine Nguyen	Spatial Alignment with Machine Vision Robot
Student	19	Monday & Tuesday	Jessie Chang, Carol Abadeer, Jason Wang, Kacy Diep, Sandra Gaurgious, Tiffany Chan	Canvas Tools For Teachers
Student	20	Monday & Tuesday	Robert Obendorf, Katie Platt, Austin Simon, Cameron Self, Sean Smith	3D Asset Viewer
Student	21	Monday & Tuesday	Ellen Kulla, Alexis Diaz, Jinli Duan, Qiantai Chen, Yuan Wang	AudioScribe
Student	22	Monday & Tuesday	Joseph Walsh, George Kent-Scheller, Paul Stephen Hutchinson Maltaghati	NanoPack
Student	23	Monday & Tuesday	Timothy Pentapaty	Investigation of a Scramjet Inlet for Unstart and Operability
Student	24	Monday & Tuesday	Kavya Balaji, Nikhil Kulkarni, Athena Goldsmith, Rowan Fraser, Nicholas Ho	Augmented Reality-Guided Focused Ultrasound System for Neuroblastoma Therapy
Student	25	Monday & Tuesday	Claire Neivandt, David Girata Narino	Clinical Pain Assessment Using the Thermal Grill Illusion
Student	26	Monday & Tuesday	Edgar J. Acevedo, Aamna Ahsan, Roger W. Decker III, Alyssa Rios, Andria McIntyre, Abbas Rizvi	Instrumented Deep Vein Thrombosis (DVT) Surrogate Leg

Professional Posters (ECSW 1.100)

Poster Type	Poster Number	Poster Session	Authors (* indicates Corresponding Author)	Poster Title
Professional	28	Tuesday	Dani Fadda (University of Texas at Dallas)*	Capstone Project Mentorship
Professional	30	Tuesday	Anna Thompson (Rose-Hulman Institute of Technology); Kajun Miller (Rose-Hulman Institute of Technology); Michaela Biske (Rose-Hulman Institute of Technology); Parker Brady (Rose-Hulman Institute of Technology); John Aidoo (Rose-Hulman Institute of Technology)*; Frank Ohene Annor (Delft University of Technology); Shannon Sipes (Indiana University); Kwaku Boampong (ABP Consult); Namita Shrestha (Rose-Hulman Institute of Technology)	Our First Collaboration with an International Consulting Firm on Capstone Design Project
Professional	32	Tuesday	Matthew J Swenson (University of Idaho)*; George Tanner (University of Idaho); Sophia Wieber (University of Idaho); Steve Beyerlein (University of Idaho)	Leveraging a Pre-collegiate Innovation Competition to Integrate Entrepreneurial Concepts in Capstone Design Projects
Professional	34	Tuesday	Julie Steinbrenner (University of Colorado Boulder)*; Daria Kotys-Schwartz (University of Colorado Boulder); Daniel Knight (University of Colorado Boulder)	Teams, Tantrums, and Tears: Conflict Resolution in 2020
Professional	36	Tuesday	Alexander Murphy (University of Texas at Dallas)*; Apurva Patel (University of Texas at Dallas); Joshua D Summers (The University of Texas at Dallas)	Formative and Summative Assessment in Senior Capstone Design Courses
Professional	38	Tuesday	Gregory Watkins (California State University Chico)*	Incorporating new ABET Outcomes into a Two-Semester Capstone Design Course
Professional	40	Tuesday	Aaron J. Rubin (Smith College)*; Susannah Howe (Smith College); Michael Kinsinger (Smith College)	Implementing Individual Performance Reviews in an Engineering Capstone Design Course
Professional	42	Tuesday	Steven Trimble (Arizona State University)*; Abdelrahman N Shuaib (Arizona State University)	Structure as a Key to Successful Capstone Design Projects
Professional	44	Tuesday	Elizabeth L Meier (University of Florida)*; Edward Latorre-Navarro (University of Florida)	Capstone Course Industry Sponsor Assessment
Professional	46	Tuesday	Alexis B Gillmore (University of Tennessee, Knoxville)*; R Keith Stanfill (University of Tennessee Knoxville)	Rubric Reboot: Assessing Student Learning Objectives
Professional	48	Tuesday	Shraddha Sangelkar (Rose-Hulman Institute of Technology)*; Benjamin Mertz (Rose Hulman Institute of Technology); Ashley Bernal (Rose-Hulman Institute of Technology); Patrick Cunningham (Rose-Hulman Institute of Technology)	Teaming Across Curriculum: One-Pager on Team Formation
Professional	50	Tuesday	Jordan M Linford (New Mexico State University); Megan G Trujillo (New Mexico State University); Luke Nogales (New Mexico State University)*	Improvement of Project Quality Through Team Building
Professional	52	Tuesday	Bahram Nassersharif (University of Rhode Island)*	A Structured Approach to Capstone Design
Professional	54	Tuesday	Hadar Ziv (University of California Irvine)*; Stavros Kalafatis (Texas A& M University); Luciano Soares (Insper); Rafael Prikladnicki (PUCRS University);	Adapting SCRUM Ceremonies in Undergraduate Capstone Projects
Professional	56	Tuesday	Jesse Pappas (Wake Forest University)*; Olga Pierrakos (Wake Forest University)	Operationalizing Team Effectiveness with Evidence-based Practice
Professional	58	Tuesday	Bridget Smyser (Northeastern University)*	More skills, more retention? Reexamining the effectiveness of a pre-Capstone lab course
Professional	60	Tuesday	Hugh McManus (Northeastern University)*	A Writing Program for Industrial Engineering Capstone
Professional	62	Tuesday	Noe Vargas Hernandez (University of Texas Rio Grande Valley)*; Sylvia Robles (University of Texas Rio Grande Valley)	Engineering Senior Design - Business Collaboration Model