

Maximum Time per paper: 10+2 minutes

Saturday, October 17		9:30 am - 10:30 am	https://bridgeport.zoom.us/j/94740428340	Professional/ Faculty Papers – Session A
Paper number	Paper Title		First Name (Author/ Presenter)	Last Name (Author / Presenter)
301	Introduce Ladder Logic and Programmable Logic Controller (PLC)		Douglas	Dow
302	Strategies for Managing an International Engineering Program during the COVID-19 Global Crisis		Sigrid	Berka
303	Cardinal TRL Values		Arash	Ahmadian
304	Integrating Lean Thinking into Design Thinking With First-Year Engineering Design Course		Afsaneh	Ghanavati
Saturday, October 17		9:30 am - 10:30 am	https://bridgeport.zoom.us/j/97708566995	Professional/ Faculty Papers – Session B
Paper number	Paper Title		First Name (Author/ Presenter)	Last Name (Author / Presenter)
305	Building a Load-bearing Truss for Introductory Statics Course		Mehdi	Abedi
306	High Aspect Ratio Bipolar Plate Fuel Cell Micro-Patterning Using Aluminum Oxide as a Masking Layer		Puteri	Megat Hamari
307	Effectiveness of Class Activities in Collaborative Learning Environment in Construction Education		Seong Jin	Kim
308	Personalized learning and modeling in a materials classroom		Anuja	Kamat
Saturday, October 17		10:30 am - 11:30 am	https://bridgeport.zoom.us/j/91329755763	Professional/ Faculty Papers – Session C
Paper number	Paper Title		First Name (Author/ Presenter)	Last Name (Author / Presenter)
309	Web Interactive Animation and Information for Electrodialysis to Desalinate Water		Douglas	Dow
310	A Systematic Course Design Approach to Guide the Development of a Construction Engineering and Ma		Seong Jin	Kim
311	Integrating Machine Learning with MATLAB and Simulink in an Introductory Robotics Class		John	Kimani
312	Fundamental Mathematical Skill Development in Engineering Educator		Fiona	Levey
313	A novel approach towards teaching Structural Analysis		Anuja	Kamat
Saturday, October 17		10:30 am - 11:30 am	https://bridgeport.zoom.us/j/91767465407	Professional/ Faculty Papers – Session D
Paper number	Paper Title		First Name (Author/ Presenter)	Last Name (Author / Presenter)
314	Experiential Learning: Dialogue of Civilization, Fluid Mechanics in New Zealand		Mehdi	Abedi
315	Development of Laboratory Component for Advanced Construction Materials course		Rajarajan	Subramanian
316	STEM Education and Industry Workforce Life-Long Training Platform Development to Faciliate Smart Bic Pei			Paul
317	Denosing 3D scans		Sarah	Ali
318	The Mathematics of Nonrenewable Resource Depletion		David	Kraft
Saturday, October 17		11:30 am - 12:30 pm	https://bridgeport.zoom.us/j/96389465292	Lightning Talks
Paper number	Paper Title		First Name (Author/ Presenter)	Last Name (Author / Presenter)
401	Teaching Fundamental Contents in Laboratory		Tooran	Emami
402	End of Statistical Significance and its impact in Engineering education		Xinlong	Weng
403	Using 3D Printed Teaching Pass-Arounds for Mechanical Design Courses		Edward	Diehl
404	Impact of a STEM Mobile Laboratory Initiative on K-12 Students in High Needs Schools		Nancy	DeJarnette