

## CSE 2021 Poster Listing

Subject to change. Current as at 9 August 2021.

ID	Title	Theme	Presenter
2	The Rise of Stand Alone Power Systems	Theme 1: How new technology and innovations are reshaping engineering (SDG 1, 6, 7, 9, 12, 13, 14, 15)	Chris Martell
77	Exergy: A vital determinant of effectiveness and adverse impact in an era of climate change	Theme 1: How new technology and innovations are reshaping engineering (SDG 1, 6, 7, 9, 12, 13, 14, 15)	Bruce Sanderson
78	The energy-water-waste nexus approach in sustainable infrastructure planning and development of new business models	Theme 1: How new technology and innovations are reshaping engineering (SDG 1, 6, 7, 9, 12, 13, 14, 15)	Neville Tawona
93	Innovation in crystallisation technology for high-purity battery chemicals	Theme 1: How new technology and innovations are reshaping engineering (SDG 1, 6, 7, 9, 12, 13, 14, 15)	Octovian Cletus Lawrence Vijayakumar
95	Towards an efficient system for producing potable water sustainability	Theme 1: How new technology and innovations are reshaping engineering (SDG 1, 6, 7, 9, 12, 13, 14, 15)	Abolfazl Ansari
109	Importance of Life Cycle Assessment in Concrete for Sustainable Waste Disposal.	Theme 1: How new technology and innovations are reshaping engineering (SDG 1, 6, 7, 9, 12, 13, 14, 15)	Habiba Afrin
115	Container Freight Technologies help climate and livability	Theme 1: How new technology and innovations are reshaping engineering (SDG 1, 6, 7, 9, 12, 13, 14, 15)	Philip Norman
140	An integrated approach for quantifying and evaluating strategies to reduce heat-related risk to asphalt road infrastructure	Theme 1: How new technology and innovations are reshaping engineering (SDG 1, 6, 7, 9, 12, 13, 14, 15)	Douglas Radford
148	HOW Digital Twins and emerging technology can improve efficiencies of renewable energy systems	Theme 1: How new technology and innovations are reshaping engineering (SDG 1, 6, 7, 9, 12, 13, 14, 15)	Nurul Driver
5	RETROFIT double glazing, what you need to know.	Theme 2: Engineering for humanity: responsive design for greater liveability (SDG 1, 2, 3, 4, 10, 11, 12)	Mike Boyden
23	Optimisation of Electrical Infrastructure: Decreasing Design & Construction Costs while Increasing Reliability and Quality Power	Theme 2: Engineering for humanity: responsive design for greater liveability (SDG 1, 2, 3, 4, 10, 11, 12)	Michael Almond

ID	Title	Theme	Presenter
33	Investigating the design principles of urban green infrastructures	Theme 2: Engineering for humanity: responsive design for greater liveability (SDG 1, 2, 3, 4, 10, 11, 12)	Parinaz Motealleh
37	Civil society led design for urban sustainability	Theme 2: Engineering for humanity: responsive design for greater liveability (SDG 1, 2, 3, 4, 10, 11, 12)	David Galloway
48	Engineering for Humanity: A systems analysis to reduce risk and ensure equitable living	Theme 2: Engineering for humanity: responsive design for greater liveability (SDG 1, 2, 3, 4, 10, 11, 12)	Tom Cernev
60	Can Intelligent Transport Systems Save the Planet?	Theme 2: Engineering for humanity: responsive design for greater liveability (SDG 1, 2, 3, 4, 10, 11, 12)	Rich Mitchell
64	Pathways to resilience in a low-carbon future	Theme 2: Engineering for humanity: responsive design for greater liveability (SDG 1, 2, 3, 4, 10, 11, 12)	Natasha Issa
128	A systematic review of climate-induced migration and displacement decision factors	Theme 2: Engineering for humanity: responsive design for greater liveability (SDG 1, 2, 3, 4, 10, 11, 12)	Emily Nabong
56	Industry and academia collaboration for future engineers in energy and sustainability	Theme 4: Preparing the next generation of engineers (SDG 4, 17)	Nayim Kabir
3	Sustainability in international development projects - a new approach	Theme 5: Engineering leadership, governance and influence (SDG 1, 4, 5, 8, 12, 13, 16, 17)	Sam Durland
8	Developing sustainable goals through ethics education for chartered professional engineers	Theme 5: Engineering leadership, governance and influence (SDG 1, 4, 5, 8, 12, 13, 16, 17)	David Thiel
17	Ecosystem services: Research and tools for its Quantification	Theme 5: Engineering leadership, governance and influence (SDG 1, 4, 5, 8, 12, 13, 16, 17)	Mohammad Osman Baig
135	SDGs in Balance: Life-cycle assessment perspectives	Theme 5: Engineering leadership, governance and influence (SDG 1, 4, 5, 8, 12, 13, 16, 17)	Curt Plumer