

1. Cristian Clavijo PhD PMP, University of Utah

Dr. Cristian Clavijo holds a BS, MS, and PhD in Mechanical Engineering, with doctoral research focused on fluid mechanics and heat transfer through both computational and experimental approaches. Following his PhD, he joined Becton Dickinson, where he contributed to the development of technologies across a range of medical applications, including rapid diagnostics, vascular catheters, kidney disease therapies, and oncology products. He later continued his industry career at Thermo Fisher Scientific, working on instrumentation for protein purification.

In 2024, Dr. Clavijo joined the University of Utah, where he supports the Master of Engineering Management program. He teaches courses in leadership and management for engineers, as well as technical courses in heat transfer and fluid mechanics. His work bridges industry experience and academic insight, with a focus on developing engineers who are both technically strong and effective leaders.

2. J. Kirk Storey PE Ph.D, Weber State University

Dr. J. Kirk Storey PE is a Utah Licensed Professional Engineer and a Professor of Engineering at Weber State University. After over 30 years in industry, climbing the corporate ladder and ascending to Vice President and Chief Mechanical Engineer for a large engineering firm, he left all that to pursue a career teaching and helping younger engineers make wise decisions. His industrial experience comes out in the classroom where he can usually answer the question “when am I going to need this in real life?”.

Dr. Storey has taught at Park University, Utah Valley University, Brigham Young University – Idaho and now Weber State University. He has taught developmental math through calculus III, Mechatronics, PLC programming, Statics, Mechanics of Materials, Dynamics, Machine Design, and many other courses.

3. Marlon Lindsay, 21stCenturyEd (Keynote Speaker)

Marlon Lindsay is the Founder and CEO of 21stCenturyEd, an organization pioneering STEM literacy as the third core literacy alongside reading and mathematics. Through 21stCenturyEd, Lindsay partners with school districts, state systems, and national education organizations to embed comprehensive STEM education in core instruction, intervention, and enrichment—preparing every student to thrive in a world shaped by the convergence of artificial intelligence, automation, and robotics.

Lindsay serves as Vice Chair of the Mountainland Technical College (MTECH) Board of Trustees, where he represents Information Technology. He was appointed to the board by the Governor of Utah. He also serves on the Utah Valley University Education Committee.

Under Lindsay's leadership, 21stCenturyEd has developed a suite of proprietary frameworks that guide districts from assessment through full implementation: the Comprehensive STEM Education System (CSTEMES™), the STEM Integration Continuum™, the 4Cs + 2Ps™ formula (Creativity, Critical Thinking, Communication, Collaboration + Problem-Finding, Problem-Solving), STEMbedding™, and the FaciliMentor™ educator development model. The company's AI-powered learning platform, Pdgogy.ai™, enables schools to personalize curriculum and connect students with career pathways aligned to their strengths and interests.

21stCenturyEd's clients span school systems across the United States. Internationally, the company has partnered with the Jamaican and Saint Lucian Ministries of Education. 21stCenturyEd through its work with the Ministry of Education and Jamaica STEM For Growth Foundation, was instrumental in Jamaica's Prime Minister, the Most Honourable Andrew Holness, declaring Jamaica a "STEM Island" in April 2024, with the vision of making the nation as renowned for STEM as it is for reggae music.

Lindsay is the co-author and editor of the bestselling series STEM Century: It Takes a Village to Raise a 21st Century Graduate book series, which has produced eight editions in partnership with the American Association of School Administrators (AASA), the National Alliance of Black School Educators (NABSE), the Association of Educational Service Agencies (AESA), Utah STEM Action Center and various school districts. The series features contributions from more than two hundred educators, superintendents, and researchers. He is also the author of *Reminder to Self: The Eight Life Principles for Living From Your Truest Self*. His forthcoming book, *STEM Literacy: The Third Core Literacy—The Fight to Remain Human in the Age of AI*, presents the definitive case for STEM literacy as an essential competency for the modern world.

Born in Seven Miles, Bull Bay, Jamaica, Lindsay emigrated to the United States at age thirteen, growing up in Connecticut. He holds bachelor's degrees in Communication Science and Psychology and a master's degree in Educational Psychology from the University of Connecticut. He also earned a Master of Business Creation (MBC) from the University of Utah's David Eccles School of Business. He has pursued additional training in leadership, financial management, and business development at the Wharton School of Business, Columbia Business School, and Brown University.

Before founding 21stCenturyEd in 2016, Lindsay built a career in technology and education technology sales, a discipline he credits with teaching him to listen before prescribing, match solutions to real needs, and translate complex ideas into language that moves people to action. He is the husband of Amanda and father of six children and resides in Utah.

4. Tommaso Lenzi Ph.D, University of Utah

Dr. Tommaso Lenzi is an Associate Professor of Mechanical Engineering at the University of Utah and the Director of the Han Georg Nader Lab for Bionic Engineering. A leading voice in wearable robotics, Dr. Lenzi's work sits at the intersection of mechatronics and human mobility, aiming to create technologies that restore independence and unrestricted movement.

He is the pioneer behind the Utah Bionic Leg, a breakthrough recognized as one of TIME Magazine's Best Inventions of 2023. His research has appeared in Science and Nature, supported by the NIH, NSF, and DOD, and has led to 16 patents. Dr. Lenzi is a recipient of the NSF CAREER Award and the University of Utah's Breakthrough of the Year (2024). He holds a Ph.D. in Biorobotics from the Sant'Anna School of Advanced Studies and previously conducted research at the Shirley Ryan AbilityLab.

5. Sara Buckley PE, Salt Lake City Department of Public

Sara Buckley PE is a civil engineer with nine years of experience specializing in stormwater management. She earned a Bachelor of Science in Civil Engineering with a minor in Environmental Engineering from Manhattan College. She began her career at Kimley-Horn, focusing on land development engineering, and later served as a design engineer for Arlington County, Virginia, delivering stormwater capital projects in compliance with state regulations. She currently serves as Stormwater Capital Improvement Program Manager for the Salt Lake City Department of Public Utilities, where she oversees the planning and execution of the City's stormwater capital program.

6. Jared Bowling MPA, UDOT

Jared Bowling completed his undergraduate in Parks, Recreation & Tourism from the University of Utah in 2012 and a Masters in Public Administration from Southern Utah University in 2019. Jared furthered his passion for working in the transportation field at the local and regional level between 2012-2019. He started with UDOT Planning as an Active Transportation Planner in 2023 and shifted into a Multimodal Planning Manager role in 2025. Jared's career focus is enhancing the collaboration between planning and

engineering, operational efficiency and enhancing accessibility for all-users and all-modes of transportation.

7. Douglas Datwyler PE

Douglas Datwyler PE received a Bachelor of Science degree in Electrical Engineering from the University of Utah. He is a Life Senior Member IEEE. He is a licensed P.E. in the State of Utah. He holds an FCC Amateur Extra class radio license, an FCC General Radiotelephone Operator License with RADAR endorsement, and has an FAA 107 remote pilot certificate. He is currently the Interim chair of the Utah section IEEE Life Member Affinity Group and Vice chair of the IEEE Utah section joint chapter of these societies Aerospace and Electronic Systems/Electromagnetic Compliance/Antennas and Propagation/Microwave Theory and Technology. He is a non-voting member of IEEE TC95.1 committee (RF safety standards).

8. Jason Dahl PE Ph.D

Dr. Jason Dahl PE has over 30 years of experience designing and implementing multi-disciplinary instrumentation and control systems. He holds a Ph.D in mechanical engineering from Brigham Young University, with emphasis on mechatronics and dynamic systems. A lifelong learner, he enjoys the challenge of building complex projects and exploring new technologies. His recent endeavors support the US Navy fleet, a national laboratory and companies in the amusement, transportation and automation industries. A Certified LabVIEW Architect and Certified LabVIEW Embedded Developer, he is a subject matter expert and instructor in NI LabVIEW, having accumulated nearly 15 years of experience training professionals from Fortune 500 companies, government agencies and the military.

Jason currently serves as President of the Utah Society of Professional Engineers (NSPE-UT). His favorite roles are husband of Dr. Beth Ann Friel and dad to four children and two dogs. He is often found in his home shop, where he can be lost for hours making “stuff”. Famously uncoordinated, he enjoys leisure activities where he can move unidirectionally or be with family and enjoy the outdoors.