Presenter Biographies: March 6, 2020

Nathan Arndt, Creative Services Specialist, L3Harris Technologies

Nathan Arndt is a Creative Services Specialist for L3Harris Technologies. He supports multiple programs using 3d modeling, animation, and digital media. He has been using this medium for technology companies, Boeing and now L3Harris for almost a decade. Nathan knows that to properly impart a message, he must capture the attention of his audience, create contextual and palatable information, and present in a format that establishes lasting recall.

Nathan's work has appeared in aerospace training manuals, flight simulators, advertisements, and program development pieces over the last 15 years of his career as a 3D artist.

Nathan holds a BS in Architecture from the University of Missouri, Columbia.

Wendy Austin, FIRST Regional Director, FIRST

Wendy Austin is the FIRST Regional Director for Central and North Florida. She has been involved with FIRST since 2005 and has been a mentor for all levels of FIRST except for FIRST LEGO League Jr. With her knowledge of the programs she engages today's youth in STEM and teaches them to be tomorrow's problem solvers and leaders.

Laura Bamberger, Teacher, Volusia County Schools

Laura Bamberger has been teaching in Volusia County Public Schools for over fifteen years, primarily in middle school mathematics. She is an active member of the professional education community and serves on the county STEM cadre, curriculum mapping, and textbook adoption committees. In addition to facilitating county training and workshop sessions, Laura has presented at the 2018 FEEC Conference in Orlando on incorporating STEM into the secondary mathematics classroom, the 2018 FCTM conference in Daytona Beach on student engagement, and the 2019 FCTM conference in Jacksonville on teaching for proficiency, understanding, and retention. She believes that students learn best when they are actively engaged with rigorous, high-quality, hands-on lessons that incorporate technology, group activities, are differentiated, reach across different subjects, and draws from students' backgrounds and interests when possible.

Anne Bubriski, Coordinator & Lecturer, University of Central Florida

Dr. Bubriski is a Lecturer of Women's and Gender Studies and Coordinator for Science Leadership and Mentoring (SLAM). She has secured multiple national and local grants for SLAM including Wells Fargo Community Grant and Community Action Grant from the American Association of University Women. Dr. Bubriski's research and teaching interests include women and girl's leadership, social inequalities, and student community engagement.

Sarah B. Bush, Associate Professor of K-12 STEM Education, University of Central Florida

Sarah B. Bush is an Associate Professor of K-12 STEM Education and the program coordinator of the mathematics education PhD track at the University of Central Florida in Orlando, FL. She received her doctorate in Curriculum and Instruction with a specialization in Mathematics Education from the University of Louisville. Since 2010, Dr. Bush's productivity includes 1.8+ million dollars in externally funded projects, 5 peer-reviewed published books, 70+ peer-reviewed publications published or in-press, and 90+ peer-reviewed and invited international, national, regional, and state presentations. She is actively involved in the National Council of Teachers of Mathematics, serving as an elected member of the Board of Directors (2019-2022) and has served as chair or member of nine committees and task forces, including as the 2017 NCTM Annual Meeting and Exposition Program Chair. Her scholarship and research focuses on deepening student and teacher understanding of mathematics through transdisciplinary STE(A)M problem-based inquiry and mathematics, science, and STE(A)M education professional development effectiveness. She seamlessly integrates her practical experience as a middle school mathematics teacher in public schools with her innovative STE(A)M scholarship to serve as an instructional leader in the field of mathematics education and STE(A)M education.

Kevin Carpenter, Director of Global Operations Training Network, Siemens Power

Kevin Carpenter is currently Head of the Global Operations Technical Education and Competence Center Network for Siemens Power Service Power & Gas with technical education and competence centers located throughout the United States, Germany, China & Egypt. Prior to this he was General Manager of Power Service Power & Gas in China. Throughout his career he has held positions in sales, marketing, project management and product development. Mr. Carpenter holds a Bachelor of Science in Ceramic Engineering from the University of Illinois Urbana-Champaign and an MBA from Southern Illinois University.

Keith Coker, President, OrLANtech

Keith has over 30 years of experience in the IT industry and co-founded OrLANtech in 1995. They started the company as a part-time IT support company for small businesses and have since grown it to be central Florida's largest Managed Service Provider (MSP) servicing hundreds of clients. In addition to being president of the company, he is also responsible for managing the sales and finance teams. Keith holds a Bachelor of Science and a Master of Science degree in Engineering from the University of Central Florida.
Keith is also known for his entertaining and educational cyber security presentations that he presents around the state for companies and groups of all sizes. His goal is to educate as many people as possible on the dangers of cyber security.

Luci Coker, Magnet Facilitator, Milwee Middle School

With fourteen years of experience in developing and marketing magnet programs, Luci Coker is currently the Magnet Facilitator for Seminole County Public Schools where she supports magnet programs in Seminole County.

Luci markets and recruits students for the middle school magnet programs. Through print, website, community events, school visits, tours and magnet night, students are made aware of the innovative, theme-based learning opportunities available students in Seminole County. She also is a conference presenter at ITEEA, PLTW and ISEA. Luci is a sponsor for Technology Student Association, BETA Club, SECME, Girl's Engineering, and Student Astronaut Challenge.

Luci received a B.A. in Spanish Education from Mercer University and a M.Ed. from Georgia State University. She has over 26 years of educational experience from Pre-K to College instruction and administrative experience. She is a member of the Society of Women Engineers, Magnet Schools of America, Technology Student Association, and International Technology and Engineering Educators Association. She currently serves on the board for Florida Technology Student Association.

Andy Cummings, Senior Vice President, Connelly & Wicker Inc.
Andy Cummings, P.E. is Senior Vice President at Connelly & Wicker in charge of the company's Transportation and Municipal business unit in both the Orlando and Jacksonville offices.

Andy graduated from the State University of New York at Buffalo in 1985 with a B.S. in Civil Engineering. He received a M.S. Degree in Civil Engineering from Carnegie Mellon University in 1987. Andy has worked in Florida for 33 years starting in 1987 with Parsons Transportation Group (PTG). In 1997, Andy joined Connelly & Wicker as Principal. He is an Adjunct Professor at the University of North Florida since 2018. He is a member of the American Society of Civil Engineers (ASCE) and the Florida Engineering Society (FES). He was the American Society of Civil Engineers Florida State President in 2001-2002. He was the American Council of Engineering Companies - Florida (ACEC-FL) President in 2010-11. He is the current Chair of the Florida Engineering Foundation (FEF).

He has been married 33 years to his wife Yvette. He has two children, Erin (28) and Nicholas (24).

Danielle Dickey, Program Manager, SLAM- UCF Women's and Gender Studies

Danielle Dickey is the Program Manager for Science Leadership and Mentoring (SLAM)- UCF Women's and Gender Studies. SLAM is a STEM mentorship program that pairs seventh grade girls with college-aged "Bigs." She is a recent graduate of UCF with majors in History and Interdisciplinary Studies-Women's Studies Track. She has been involved with girls' mentorship for the past four years.

Carol Ann Dykes Logue, Director of Programs & Operations, UCF Innovation Districts, University of Central Florida

Ms. Carol Ann Dykes Logue serves as Director of Programs & Operations of the University of Central Florida's Innovation Districts which are part of UCF's Office of Partnerships & Innovation. The current Districts are anchored in Downtown Orlando, Lake Nona and the Central Florida Research Park/Space Coast areas around UCF campuses, UCF incubators, and growing or emerging clusters of technology and industry that are key drivers of Metro Orlando's economy. Partnerships, programming and support services are all focused on driving the success of the innovative, entrepreneurial companies in the Districts that are creating jobs and economic value in the community.

Prior to her current role, Carol Ann managed the UCF Business Incubator in the Central Florida Research Park which serves companies in key clusters such as defense, photonics, advanced materials, cyber security and energy.

Prior to joining UCF, she was a member of the University of Florida faculty in the College of Engineering where she served as Associate Director of the Southern Technology Applications Center supporting companies, federal laboratories and universities across nine southeastern states in their strategic business and technology commercialization activities.

She has served as Vice President of Information Services for Technology Strategic Planning Inc. in Stuart, FL, providing global competitive technology analysis for Fortune 50 clients and as an Information Specialist at the University of Arkansas for Medical Sciences in Little Rock.

Carol Ann currently serves as Chair of the Board of Directors of the Central Florida STEM Education Council. She also serves on the boards of the National Defense Industrial Alliance Central Florida chapter, Athena Orlando Powerlink Program, and I4 Business magazine.

Daniel Edelen, Doctoral Student, University of Central Florida

Daniel Edelen, M. Ed., is a doctoral student in the Ph.D. of Education, Elementary Education Track, in the College of Community Innovation and Education at the University of Central Florida. He focuses on student authority in mathematics classrooms, empathy driven learning, transdisciplinary learning, and student experiences in integrated STEAM learning. Through his research he creates culturally responsive mathematics and integrated STEAM lessons for K-5 students as well as preservice teachers. His scholarship includes practitioner based articles for national journals as well as commentaries for national journals. He has presented at state, national, and international conferences on integrated STEAM, using mathematics to build empathy, and STEM learning research in hospitalized settings. Mr. Edelen earned his bachelors as a dual certification in Elementary Education K-5 and Learning and Behavioral Disorders K-12. He earned his Master's from UCF in K-8 Mathematics and Science. He is also a member of the National Council of Teachers of Mathematics, Association of Mathematics Teacher Educators, and Florida Council of Teachers of Mathematics.

Mariah Fermin, Science Mentoring and Leadership Facilitator, University of Central Florida

I am currently in my senior year undergraduate studies majoring in Psychology and minoring in Women and Gender Studies and Human Services at the University of Central Florida. I have been apart of Science Leadership and Mentoring program and the Young Women Leadership Program here at UCF along with extracurricular activities and being involved around campus. I am going to continue my studies to obtain my Master's Degree in Social Work at the University of Central Florida

Samuel Garcia, Education Specialist, NASA Kennedy Space Center

Dr. Samuel García Jr. serves as an Educator Professional Development Specialist at Kennedy Space Center and Assistant Professor of Practice for the LBJ Institute for Education and Research at Texas State University. Dr. García works to help develop STEM educational mindsets, tools, and resources for

teachers to implement in their classrooms that respond to diverse student needs and increase diversity in STEM fields.

Hannah Gomez, Teacher, Webster Elementary School

Hannah has a Bachelor of Science degree in Early Childhood Education and is pursuing her Master's degree in Early Childhood Education and Early Childhood Special Education. She began her career in education two years ago teaching at a low socio-economic, high minority school in Sumter County, Florida. While working at the school level, Hannah often collaborates with her co-presenter, Courtney Moreland, to design learning focused lesson plans that support high impact instructional strategies and power standards. In her current position, Hannah serves on the district's STEM Advisory Council comprised of teachers, administrators and community partners. The STEM Advisory is advancing partnerships with sounding school districts, state colleges and technology-based companies bolstering teacher professional development and STEM opportunities for students.

Sam Haddad, AR Fellow and Engineering Manager, Design Interactive

Samuel Haddad has over 12 years of experience in Software Development, including 8 years of XR (Extended Reality - Augmented, Virtual and Mixed Reality) development experience, and 7 years of Engineering Management Experience. He has extensive knowledge & experience in software development including Augmented Reality, Virtual Reality, Mixed Reality, Desktop Applications, Cross platform development, Serious Games and more. He has significant experience using industry leading SDKs, including: Unity3D, Microsoft Mixed Reality, Mixed Reality Toolkit 2.0, Bose AR, Holo Toolkit, Oculus SDK, SteamVR, PTC Vuforia, Google Cardboard, Google Daydream, Apple AR Kit, and Google AR Core. He also has significant experience developing AR/VR/MR experiences using industry leading hardware, such as HTC Vive and Vive Pro, Oculus Go, Oculus Rift, Gear VR, Google Cardboard, Microsoft HoloLens, Vuzix M100/M300, ODG R7, Epson BT-200, Sixsense VR Controllers, Microsoft Mixed Reality Controllers, and more.

His previous employment experience includes Simulation & Training Systems for Lockheed Martin. In 2015 he was a featured speaker on mixed reality and augmented reality real world applications at the Augmented World Expo (AWE), the largest augmented reality conference in the world. His achievements include the AWE 2014 Hackathon Award Winner for AR Swatch, the Lockheed Martin STS December 2009 Employee of the Month award, as well Lockheed Martin UKCATT's August 2011 Employee of the Month award. His interests are software design and development, especially for XR platforms using the Unity3D engine.

Mary Lynn Hess, K-5 STEM Resource Teacher, Goldsboro Elementary Magnet School

Mary Lynn Hess is a K-5 STEM Resource Teacher at Goldsboro Elementary Magnet School. She has spearheaded programs that include 750 square foot garden on the school campus and raised over $15,000 in grants to enhance the programs she organizes. Her accomplishments include being a featured speaker at the state and international levels, presenter at EPCOT's Flower and Garden Festival, a book reviewer for National Science Teachers Association, and being a featured teacher on PBS for "How Kids Learn in the Modern World."

Jennifer Jones, STREAM Coordinator, Resurrection Catholic School

Jennifer Jones is the STREAM Coordinator at Resurrection Catholic School in Lakeland, FL, which is the first school in the Diocese of Orlando to be certified as a STREAM school by the Florida Catholic Conference. She holds a BS in Early Childhood Education from FSU and is certified by the state of Florida in PreK/Primary Education. She has 15 years of teaching experience in Preschool, Kindergarten, 1st, and 3rd grades. In 2014, she was voted by her peers as RCS *Teacher of the Year* and went on to receive the *Seton Award* for junior teachers from the Diocese of Orlando. This is her first year in the role of curriculum coordinator and instructional coach at RCS.

Erin Kiger, Instructional Coach, Orlando Science Elementary School

Erin Kiger is originally from Las Vegas, NV and has been an educator for 15 years. She has worked as a teacher in grades K through 5 and has worked as a coach with K-12 educators. She is passionate about inspiring excitement and a love of learning in educators and students, especially through the use of instructional technology.

Currently, she is an instructional coach at Orlando Science School in Orlando, FL. Additionally, she is part of the Undrcaff3inated Podcast and is working with Edumatch Publishing to release her first book.

Rachel Knight, Teacher, Orlando Science Elementary School

Rachel Knight teaches 2nd grade at Orlando Science Elementary School. This is her 20th year teaching, with 17 of them being at a STEM or Science Magnet school. Rachel has taught 2nd, 3rd and 4th grade, as well as a year as an Instructional Coach. She graduated from the University of Tennessee with degrees in Human Learning and Public Relations and also has a Master's degree in Educational Leadership.

Emily Beth Langley, Education Specialist, Orlando Science Center

Emily Beth Langley is an Education Specialist at the Orlando Science Center where she promotes STEM and Maker initiatives in Central Florida. She manages the Catalyst Academy a 21st-century youth development program for teens.

Courtney Moreland, Teacher, Webster Elementary School

Courtney has a Bachelor of Science in Early Childhood Education with endorsements in Early Childhood and Exceptional Student Education. Courtney has spent the last six years teaching Kindergarten through fifth grade at a Title I school in Sumter County, Florida. She began a new endeavor this school year by designing, co-authoring, and delivering Sumter's first ever Kindergarten Unplugged computer science professional development and curriculum for teachers and students affecting hundreds of students. While working at the school level, Courtney collaborates with teachers to provide STEAM afterschool programs, pursue relative training opportunities through active participation on the District Professional

Development Council, and lead STEM initiatives in conjunction with the District STEM Advisory. She has experience conducting school science fairs, community events, and is a published author for TeachersPayTeachers.

Jared Porcenaluk, Senior Software Developer, Archer First Response Systems

Jared Porcenaluk is a Senior Software Developer at Archer First Response Systems, where he helps create software to save lives with drones. He also is a Director of the Orlando IoT Meetup, Microsoft MVP, and occasional welder. You can find code he's written online, in a Smithsonian museum, in a watch that controlled a coffee pot, and soon flying in the air.

Sarah Porcenaluk, Instructional Math Coach, Orange County Public Schools

Sarah Porcenaluk is currently an instructional math coach with Orange County Public Schools in a K-5 school. Previously she worked in Virginia as a 3rd grade teacher and in Florida as a 4th grade teacher. She recently graduated from the University of Central Florida as a Lockheed Martin Scholar with a M.Ed. in K-8 Mathematics and Science Education. She enjoys working with educators on the importance of facilitating discourse as students learn to apply critical thinking skills to real-world mathematical problems.

Lynda Roche, Teacher, Stenstrom Elementary School

Lynda Roche is a Kindergarten teacher at Stenstrom Elementary in Oviedo, FL with over 20 years of classroom experience. Lynda recognizes the importance of making students STEM-literate in order to prepare them to be the next generation of technologists, innovators, designers, and engineers who can compete in a global economy.

Lynda has presented at ITEEA, FEEC and FAST. She served on the SCPS Computer Science Task Force and wrote coding curriculum for kindergarten and first grade. Lynda was an SCPS semi-finalist for 2014 Teacher of the Year & is currently lead teacher for her school's SECME team.

Humberto Rodriguez, Regional Science Coach, Polk County School Board

Humberto graduated from the Inter American University of Puerto Rico with a bachelor's degree in Biology in 1998. He pursued a master's degree in biology and worked for 3 years with the USDA Forest service as a botanist. In 2003 he relocated to Florida to become a secondary science teacher. He obtained a master's degree in curriculum and Instruction in 2006 and a master's in psychology in 2016. He was a high school teacher from 2004 to 2016, teaching physical science, earth and space science, space engineering, environmental science, biology, anatomy and physiology, ecology and, chemistry, among others. Additionally, from 2010 to 2016 he was an adjunct professor at Polk State college, Lake Sumter College and Southeastern University, teaching Biology and Psychology courses. In 2016, he transitioned to a school-based science coach position at Bartow Middle until May 2019. Currently he is a regional science coach for Polk county public school. He lives with his wife, 11 years old daughter and 18 years old son in Davenport, Florida.

Ron Sandrin-Litt, Teacher, Richard Milburn Academy

Ron Sandrin-Litt is a retired architect and urban planner who has worked on international development projects most of his life in Canada, Europe, the Middle East and the United States. Presently, he is teaching Environmental Science and Biology at Richard Milburn Academy. He has taught all the high school sciences at one time or another over his high school 'second career'. Having worked closely with engineering and architectural students over the years, he is aware of the gap in knowledge that can occur between professional practice and academia. Consequently, he is always looking for ideas that bring students into the real world of engineering with tangible examples of engineering practice for students to experience.

He also is the designer of the ECOPOLY classroom game, which is intended to show students the relationship of Environmental Ecology to the overriding world of Human Ecology.

Laura Schendel, Outdoor Educator, Ecological Classroom Outdoors

Laura Schendel is a certified Biology teacher and currently an outdoor environmental educator. She has 13 years of teaching experience and taught middle school Earth and Life Science as well as high school Biology. She is a graduate of Rollins College and a native Floridian. She is passionate about protecting Florida's waters and the ecosystems surrounding them.

Laura established ECO, Ecological Classroom Outdoors, in order to bring upper elementary, middle and high school students out of the classroom and into the "field" to participate in hands-on science investigations. These ECO Experiences connect scientific processes and critical thinking skills to real world situations, with the goal of evoking environmental stewardship in the next generation of decision makers. As part of that commitment, ECO Rangers participate in monthly community service events where students have the opportunity to protect and restore the environment. One of our on-going projects is restoring the Nature Connect Trail at Bill Frederick Park.

Laura has led weekly STEAM class on the Ecology of Lake Eola and gotten students involved as Citizen Scientists using Picture Post. She can provide hands-on, outdoor lessons on your school campus or various city or county parks on topics ranging from Biodiversity and Ecology, Springs and Sinkholes, to Marine and Estuary Ecosystems.

Laura also mentors upper elementary and middle school science teachers who desire to learn skills and gain confidence needed to conduct laboratory lessons and dissections on a weekly basis as recommended by NSTA.

Laura has presented for FEEC and FAST in the past and enjoys sharing her passion for teaching science in a hands-on way with teachers.

Kathryn Senkarik, Art Teacher, Resurrection Catholic School

Kathryn Senkarik is an Art Teacher at Resurrection Catholic School in Lakeland, Florida with 15 years of teaching experience. She has a BFA in Illustration, an MST in Art Education and is certified in K-12 Art in the State of Florida. She is passionate about integrating Art in cross-curricular areas, developing creative thinking in students, and exposing students to a wide variety of art materials and techniques. She has previously presented on the topics of Art and Early Childhood Education, Art and Math Integration and Art and Technology Integration at the State and National levels.

Gordon Shupe, Educator, Stone Magnet Middle School

Mr. Shupe is an innovative, passionate STEAM educator with 37 years at the secondary level, including over two decades serving as a technology director in a 1:1 computer : student environment. He has consulted with nearly 300 different K20 educational institutions in 30 different states on behalf of Apple Professional Development. Mr. Shupe served as a part of Florida's Sunshine State Science Standards and Technology Standards expert committees and has 8 years of adjunct experience teaching both graduate and undergraduate methods classes for Computer Science and Secondary Science Education.

Mr. Shupe was honored to participate in several of the annual Horizon Reports, published by the internationally renowned educational think-tank: New Media Consortium. He is active in the global Apple Distinguished Educator Community and was selected by the National Science Teachers Association as an Access Excellence Fellow at the bequest of Genentech Corp. for a pioneering initiative to establish a science education online community in the mid-1990s. He currently teaches Computer Science, Visual Literacy, Design Thinking, and a MakerSpace-Themed class.

Abdul Siddiqui, Lead Systems Engineer- STEM Coordinator, US Army – PEO STRI

Abdul M. Siddiqui started working for the US Army as a Systems Engineer in 1991. He was the Software Engineering Manager for the Bradley Fighting Vehicle System, TACOM from 1998 to 2004. He is currently the resident subject matter expert in software architecture development for systems and product lines at US Army Program Executive Office for Simulation, Training and Instrumentation (PEO STRI). He is the Lead Engineer for Configuration Management and Information Assurance Security Officer for Program Manager Digitized Training and leads the effort to certify and accredit the Digital Range Training System since 2007. He is the Engineering Mentor and STEM Coordinator for PEO STRI. Mr. Siddiqui received his Master of Science in Software Engineering from the Naval Postgraduate School, CA in December 2000. He is married and has three boys.

Jennefer Simmons, Teacher, Stenstrom Elementary School

Jennefer Simmons is a second grade teacher at Stenstrom Elementary School. She has been teaching Special Education and Elementary Education for 29 years in both Connecticut and Florida. She was a Teacher of the Year Semi-Finalist in 2017. Mrs. Simmons has been involved with STEM Education since 2012. She has presented to the Society for Information Management Conference in 2013 and again with her students in 2014. She continues to integrate STEM education into her teaching practices, encouraging and expanding the creative minds of our youth.

Beth Smith, Educational Technology Consultant, Texas Instruments

Beth Smith is an Educational Technology Consultant (ETC) with Texas Instruments. Beth works with teachers, schools, districts and states to improve teaching and learning. She strives to empower teachers and inspire students to succeed in mathematics, science and STEM. Prior to joining Texas Instruments as an ETC, Beth taught middle and high school mathematics for 25 years in Jacksonville, Florida. During this time, she served as Mathematics Chair and Coordinator of Instructional Technology. Additionally, Beth has served as a MathForward Coach and T^3 (Teachers teaching with Technology) Instructor for Texas Instruments. She received an Ed.S. in Curriculum and Instruction from the University of Florida.

Nicole Spain, Robotics and Science Teacher, Indian Trails Middle School

Nicole Spain has fourteen years of teaching experience. She taught science on the wheel at Hamilton Elementary for five years. Then she became Hamilton Elementary Math and Science Coach where she worked with teachers and students to integrate science and math into their curriculum for two years. Then she completed her masters with the NASA Endeavor Program and Adams University in STEM Curriculum. As part of this program she did Action Research on the Benefits of Engineering with racial diverse student which she presented at the NSTA National Conference in 2013. In 2013, she completed her General Science 6-9 certification and moved to teaching Physical Science at Indian Trails Middle School incorporating engineering into her science curriculum. Finally, in 2015 she passed the Technology 6-12 Certification Exam and began teaching Robotics. She has presented at the FEEC Conference at UCF twice once in 2016 and once in 2018 on STEM related curriculum. From 2018-2019 She was on the Florida national Geographic Advisory Panel. She is currently teaching Robotics One as well as Robotics Two for grades 6th-8th and 6th Science at Indian Trails Middle School.

Collen Strickland, Coordinator 6-12 Curriculum, Sumter District Schools

Colleen has a Bachelor of Science Degree in Primary and Elementary Education and a Master's degree in Educational Leadership. She began her career in education twenty-one years ago teaching at low socio-economic, high minority schools in Sumter County, Florida. Yearning to make a wider impact on the educational goals of the communities she served, Colleen left the classroom to begin work in school and district administration. While working at the district level, Colleen collaborated with teachers to design district wide curriculum maps focused on high impact instructional strategies and power standards. Colleen is a certified Learning Focused Strategies trainer and has delivered over 500 hours of professional training to teachers in the Sumter County School district. In addition to curriculum work, Colleen has served as an elementary school principal where she supported digital learning, flexible grouping and project-based learning. In her current position as Coordinator of 6-12 Curriculum, Colleen has initiated a STEM Advisory Council comprised of teachers, administrators and community partners. Through this advisory STEM opportunities have become more equitable and accessible throughout the school district. The work with the STEM Advisory has advanced partnerships a bolstered teacher professional development and STEM opportunities for students.

Matthew Traum, Chief Executive Officer, Engineer Inc.

Dr. Matthew J. Traum is the Chief Executive Officer at Engineer Inc., a Florida-based STEM education technology social enterprise whose mission is to work with middle schools, high schools, and colleges to make hands-on STEM educational experiences accessible to all learners. Dr. Traum also holds an appointment as Senior Lecturer in the Mechanical & Aerospace Engineering Department at the University of Florida (UF) where he teaches the department's Capstone design and realization courses.

Dr. Traum is an experienced educator, administrator, fund raiser, and researcher with co-authorship of 14 peer-reviewed research and pedagogical journal papers as well as 44 refereed research and pedagogical conference articles. As PI or Co-PI, Traum has attracted over $865 K in funding for research and education from agencies including the National Science Foundation, NASA, and the U.S. Department of Education as well as industry sponsors including Oshkosh and Briggs & Stratton. Prior to UF, Dr. Traum was a high school science teacher at St. Francis Catholic Academy in Gainesville, FL where he taught STEM courses for 9th and 10th graders. He is an active member of the Pre-College Engineering Education Division of the American Society for Engineering Education.

Previously, Dr. Traum was an Associate Professor and Director of Engineering Programs at Philadelphia University. He also served on the faculty of the Milwaukee School of Engineering as well as co-founding the Mechanical & Energy Engineering Department at the University of North Texas – Denton. Traum received Ph.D. and M.S. degrees in mechanical engineering from MIT, and he holds two B.S. from the UC Irvine in mechanical and aerospace engineering.

Amy Trujillo, Instructional Coach, Orlando Science School

Amy Trujillo is the Instructional Coach at Orlando Science Schools and is the Florida Association of Science Teachers (FAST) president. She has taught students from elementary to college. Currently, she works with the teachers and students to increase FSA scores as well as integrate STEM and gifted goals into the curriculum. She has served on the Florida Association for the Gifted (FLAG) board and is a LEGO Education Master Educator, a Certified BrainPOP Educator, and a Google Certified Educator.

Carol Unterreiner, Teacher, Milwee Middle School

Carol Unterreiner is an engineering teacher at Milwee Middle School in Seminole County. Carol has a Bachelor's Degree from Vanderbilt University and a Master's Degree from UCF. She is certified in all of the PLTW Gateway courses. She's currently teaches PLTW Gateway curriculum and a stem competition class. She is the co-sponsor of Milwee's BETA club, TSA organization and the girls engineering breakfast club. She has been teaching engineering for 10 years and taught science for 18 years. She was Milwee Middle school teacher of the year in 2018, has won the ISEA STEM teacher of the year. ITEEA STEM teacher of the year, Air Force teacher of the year for Seminole County. Besides teaching Carol also worked for the Discovery channel VCR team and taught teachers how to use Discovery programming in their classrooms. She has coached volleyball and soccer and worked as a trainer. In her spare time, she loves cooking and traveling with her family.

Joyce Walters, FIRST Program Delivery Partner, Renaissance Central Florida

Joyce Walters has been a parent who turned into a mentor, then coach, and the FIRST Program Delivery Partner for FIRST Robotics starting in 2006/2007 Season of FIRST LEGO League. She has been involved with all program levels that FIRST has to offer and enjoys bringing STEM and STEAM to the youth of all ages, but especially the elementary age level students with her focus being on the FIRST LEGO League programs.