

Robofest 2017 World Championship

Bios of Category Chairs and Exhibition, GRAF, RoboParade, & Robot Drawing Judges

(As of May 31)

June 1-3, St. Pete Beach Community Center

Juanita Andrews I originally graduated University of South Florida with a Bachelor of Art in Business. Completed 6 years as an Environmental Technicians in the U.S. Army. Masters of Education from St. Louis University. 23 years as a Middle School Science teacher teaching Physical, Life, and Earth sciences. Also, 12 years of robotic coordination, training, coaching, judging, and various league support positions. ([Robot Drawing Judge & Jr. Exhibition Judge](#))

Yahya Aziz began his career as a material science research for the NASA Goddard center through the Fisk University center for photonics material and devices. He built crystals for surface studies using zone refining and photoresponse. After studying physics at Fisk University, Yahya focused on mechanical and software engineering. He is currently a hillsborough county STEM judge, Special Olympics Judge, Volunteer speaker and community technology activist. ([RoboParade Judge](#))

Jeanelle Baldwin is a student at the University of Central Florida majoring in Biomedical Sciences. She has been actively involved in robotic and engineering-based competitions since her start in Robofest and FIRST Lego League in 2008. In the past nine years, Jeanelle has dedicated her spare time to competing in various robotics systems in Hillsborough County, volunteering at STEM events, mentoring younger students in STEM, and hosting and creating her own tournaments. She has traveled across the country competing and donating her time to other young students so they can also be empowered by the STEM experience. She is currently a STEM Ambassador and COMPASS Mentor at UCF, providing college-level STEM experience to local K-12 schools and working directly with incoming college freshmen to ease their transition into STEM majors. For STEM-related help - Jeanelle is the person to call! Providing enthusiastic answers and guidance wherever necessary ([GRAF Judge](#)).

Katherine Bis Katie received her B.S. in Mechanical Engineering and her B.A. in Child Psychology from the University of Michigan. She worked for 15 years at Lionel Trains as a manufacturing engineer, design engineer and then as an Engineering Program Manager. She is currently teaching AP Statistics and Algebra 2 at Country Day Upper School. She also is self-employed as an Educational Consultant and has developed a tutoring program for STEM subjects and Academic test prep. She has been actively involved in coaching and coordinating FLL, Robofest, Science Olympiad, and/or WRO teams for the past 8 years and has recently traveled to Russia (2014), Qatar (2015), and India (2016) with her son's WRO World Championship qualifying teams. She is a current Robofest coordinator with various responsibilities including administrative tasks, training responsibilities, and Exhibition Chief Judge. ([Exhibition Chair](#))

Peter M. Blackford Peter received a Bachelor of Science degree from Worcester Polytechnic Institute (WPI) in Worcester, Massachusetts, and has been involved in the design and manufacture of electrical and electronic wire and cable in Massachusetts, Indiana and now in Naples, Florida. He has served as an alumni advisor on the WPI Solar Racing program, as well as a Science Fair mentor and judge at the regional and state level in Massachusetts, Indiana and Florida. He is a Life Member of IEEE and retains an active interest in electric vehicles and the antique automobile hobby, also having managed a successful sports car racing team. ([Jr. Exhibition Judge](#)).

Rebecca Buidens graduated from St. Petersburg College with a degree in Teaching and currently teaches 6th grade Cambridge History at Pinellas Park Middle School along with being a facilitator for both an all-girls STEM Academy and all-boys Robotics Club before school. She has been teaching for 7 years. She has volunteered as a Future City Coach for 3 years, a National History Day Judge and RoboParade Coach. She has also taught at Summer STEM Camps and a Saturday Stem Camp. ([RoboParade Judge](#)).

David A. Carbery P.E., BSEE LTU 1989. Michigan PE License 1999. BSA Scoutmaster, Troop 248 since 2007. Robofest volunteer/coach since 2011. FANUC America Corporation, Product Development Staff Engineer

Dr. Christopher Cartwright received his PhD in Applied Mathematics and Computational Sciences from the University of Iowa in 2003. His PhD thesis involved using parallel programming techniques with the Message Passing Interface (MPI) to solve computational geometry problems related to meshfree methods for solving Partial Differential Equations. He also holds a BA in Mathematics and a BA in Music from Kalamazoo College. He is currently an Associate Professor of Mathematics at LTU. He received a Project NExT (New Experiences in Teaching) Fellowship from the MAA (Mathematical Association of America) in 2003. He utilizes mathematical software such as Mathematica, Maple, and

Matlab in the Mathematics curriculum and in undergraduate student research projects. He is interested in outreach to K-12 students to encourage them to pursue careers in STEM (Science, Technology, Engineering, and Mathematics). He has been actively involved in Robofest, LTU's autonomous robotics competition, since 2010. He also participated in a Michigan Department of Education grant EMATHS (Embracing Math Technology in High Schools) developing curriculum for incorporating TI-NSpire graphing calculators into the high school Geometry and Algebra. His primary area of research interest is Numerical Analysis, the branch of Mathematics that uses computer algorithms to solve mathematical problems in areas as diverse as ordinary and partial differential equations, linear algebra, function approximation, and numerical integration. His current research interests also include optimization (discrete and continuous), and explorations of the intersections between mathematical theory and music theory. ([Game Chairperson](#))

Dr. Sibrina N. Collins is an inorganic chemist that has significant experience focused on undergraduate STEM (Science, Technology, Engineering & Mathematics) education, mentoring, community engagement and diversity in STEM initiatives. She earned a B.A. in chemistry (*cum laude*) from Wayne State University (Detroit, Michigan) in 1994. Dr. Collins pursued graduate studies in the Department of Chemistry at The Ohio State University, earning a M.S. (1996) and Ph.D. (2000), in the field of inorganic chemistry. In her role as the Founding Director of the LTU's Marburger STEM Center, she is responsible for the coordination and leadership of STEM programming initiatives, which includes the Blue Devil Scholars Program (BDSP), an innovative partnership with the Detroit Public Schools Community District (DPSCD) to enhance the STEAM curriculum in DPSCD institutions. Most recently, her synergistic activities include serving as a mentor for a Detroit middle school team that participated in the 2017 Future City Competition, hosted by the Engineering Society of Detroit. The team received the 2017 Technological Innovation Award for their efforts. In addition, Dr. Collins served as a STEM career panelist for a Microsoft tech engagement event for 75 Detroit middle school girls entitled, *Launch, Learn & Code: Girls Empowered!* The students participated in one-hour code sessions, TED talks, a STEM career panel and a screening of the movie, *Hidden Figures*. ([Robot Drawing, Exhibition or GRAF](#))

Drew R. Davis is the Software Development Coordinator for Mitsubishi Hitachi Power Systems. He is also serving as the Product Development Lead for StartIt LLC which is a battery charging company that he cofounded in 2014. Drew Davis is also pursuing a B.S. in Science & Technology Management at Florida Polytechnic University where he is set to graduate December of this year. Studies include, Project Management, Electrical Engineering, Computer Science, and Mathematics. He serves as the education committee chair for the Florida Polytechnic APICS chapter. He has recently completed a multi-semester research project that will be used to improve Saddle Creek Logistics' pricing strategy. Drew is also certified for Demand Planning, Customer Service Operations, and Supply Chain Management by CSCMP. Past accomplishments include 2014 Robofest World Championship Sr. Exhibition 1st place winner, Student Government Legislative Liaison, Honors College Member, and Engineering Club President.

James Ellis, MBA, DTM Jim is a Distinguished Toastmaster with more than 10 years' experience as a data base programmer/administrator. He started his working career in Ground support for the Space Shuttle at Kennedy Space Center. His master's degree is in business leadership with graduate work in computers and management. He is retired and working as a corporate consultant where he motivates employees He is doing volunteer work in Toastmasters where he judges speech competitions and works for other non-profit organizations. ([RoboParade Judge](#)).

Kenneth Fiallo, P.E. is a licensed Professional Electrical Engineer with over 40 years of Experience in HVAC Controls Systems and Computer Networking. He is the former Chair of the IEEE FWCS Robotics and Automation Chapter. Ken has extensive experience as a STEM Organizer having designed and administered Robotics Competitions through Hillsborough Community College and Hillsborough Public County Schools. In addition he was the Founder and lead organizer for Electrathon of Tampa Bay. ([Sr. Exhibition Judge](#))

Scott Howard 'Creatively Inspiring' Scott Howard is well-recognized as a successful graphic designer and illustrator; creator, author and illustrator of the best-selling one-of-a-kind children's book "Artsy Ant Alphabet Art Adventures"; and a dynamic motivational speaker. Scott majored in art and minored in psychology, receiving degrees at Monterey Peninsula College and California State University in Fullerton, California. His path led to Tampa Bay, where he worked as a graphic designer and art director with several advertising agencies and corporations before starting his own business, MyScottArt, in 2009. A Distinguished Toastmaster (DTM), member of the National Speakers Association and the exclusive business resource group CEOSpace, Scott discovered a passion in serving as a speaker for a variety of organizations. He often appears as a children's book author, keynote speaker or storyteller at children's charity events and fundraisers. His greatest joy is in encouraging and inspiring people of all ages to discover their strengths and abilities to make a difference in their lives. While serving as a judge in the RoboDraw and GRAF art competitions, Scott can also be found throughout the Robofest event with his Artsy Ant Books available for coloring, signing and inscribing, and for purchase at a special Robofest reduced price. Scott@MyScottArt.com. ([Robot Drawing Chairperson and GRAF Judge](#)).

Dan Kinzer Test Engineer for Raytheon, Space & Airborne Systems and with the company for 34 years. Current director for the Tampa Bay Technology Alliance. Current Judge Advisor for the Pinellas FIRST FTC League with 10 years' experience Mentoring 3 First Tech Challenge Team and Judging FIRST Events at the Local, State & World Level. Also judged a few Vex Competitions and 4 years for Robofest.

Eleanor L. McCoy Carter, DTM Eleanor has a M.S. degree in Predictive Analytics from Northwestern University, and B.S. degree in Business Administration with an Industrial Engineering minor from Florida A&M University. She is also a Distinguished Toastmaster with more than a decade of combined experience in Database Marketing, Marketing Research and Vendor Risk Management. As a youth, she was a member of the Southeast Consortium for Minorities in Engineering – Young Minds in Action (SECME/YMA) at Maynard Evans High School and placed among the top five regionally in its 1986 competition – consisting of an essay and drawing about technology for the future, and a mouse-trap car design. Eleanor currently resides in Orlando, FL and is employed as an Institutional Research Analyst at Valencia College. She also enjoys being active in her church and community. ([Sr. Exhibition Chairperson](#))

Fred Miller has been a resident of the Tampa Bay area for over 58 years. He was a graduate of the University of South Florida with a degree in Electrical and Electric Engineering, cum laude. At USF he was the charter president of the Florida Gamma Chapter of Tau Beta Pi, the national engineering honor society, and president of Omicron Delta Kappa, the university leadership society. Mr. Miller was very active in Toastmasters International serving as Area 18 Governor and Western Division Governor, for which he received outstanding division governor award for the district. He then served as Administrative Lieutenant Governor and then District Governor for District 47. Mr. Miller's career included time spent at companies such as Sperry, Honeywell, and Raytheon involved in development of missile guidance systems and radio communications. Interests are of scientific developments, music, and history. "Interacting with today's youth who are pursuing noble goals is a wonderful endeavor. Robofest is a great experience for all involved." ([RoboParade Chairperson, & GRAF Judge](#)).

Julius Miyawa graduated USF with electrical engineering degree, specialized in computers specifically network engineering ... Cisco certified engineer designed implemented and supported networks for large companies in the Tampa bay Area integrate and utilize the larges backbone on the internet. ([Sr. Exhibition Judge](#)).

Freeman Morey is a member of the Passamaquoddy Tribe of Indians from Eastern Maine. He has worked as a Civil Engineer, Home remodeler, Child Care Caseworker and Electric Cycle Repair Manager. He is a member of Toastmasters International and has earned its highest distinction, Distinguished Toastmaster. He has served Toastmasters District 48 as the District Chief Judge for the last two years. ([Jr. Exhibition Judge](#)).

Chris Parker is a graduate of Everest Institute in Electronics and Computer Technology and has earned his Associate level Certified Electronics Technician (CET) certification while a student there. Currently a student at Schoolcraft College in their Computer Information Systems: Programming degree program. He is an Independent Developer, and has an app in the Windows store, and on Google play. He works for Robofest as a Program Assistant, and mentors students teaching Robotics, Web Design, and Game Design. ([RoboParade Assistant Chairperson](#))

Diamante "Diamond" Sadlowski, was the last graduate of St. Petersburg colleges Technology and Engineering Education program. She has taught for four years at Palm Harbor Middle School. The past 3 years her teams have competed in the FIRST Lego League robotics competitions. She has been Pinellas County First Lego League Coordinator for the past year ([Robot Drawing Judge](#)).

Elmer Santos is a Mechanical Engineer with a BS in Mechanical Engineering from Cornell University and MS in Manufacturing Systems Engineering from Stanford University. He worked for General Motors for 30 years in body assembly, industrial engineering, injection molding, paint engineering, and advanced vehicle development as an engineer and an engineering group manager. At GM, Elmer has worked with various robotics applications in Body Shops (resistance spot welding, material handling) and Paint Shops (sealing, painting). He has been involved with student robotics activities since 2001, mentoring teams and volunteering in Robofest, First Lego League, First Tech Challenge, First Robotics Challenge, Vex Robotics Competition, Vex IQ Challenge, and World Robot Olympiad. He recently started his new role as Assistant Director of Robofest. ([Vcc Chairperson](#)).

Karen Turnmire holds a master's degree in Quaternary Sciences and is the co-editor of two published archaeological volumes. She has previously had the privilege of acting as a judge at two regional Robofest Contests. The creativity, breadth of knowledge, and enthusiasm of these young contestants inspire great hope for the future. Karen currently lives and works in Clearwater, Florida ([Jr. Exhibition Judge](#)).