

# ROBOFEST World Championship **Bios of RoboParade Judges**

May 18, 2018 at Lawrence Technological University, A210

**Elmer Santos** (Chairperson) has been the Robofest Assistant Director since 2017. Elmer 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.

**Oriehi Destiny Anyaiwe, Ph.D.:** Currently, Oriehi is occupying an Adjunct Professor position in the department of mathematics and computer science, Lawrence Technical University and he will be joining the department full time as an Assistant Professor this Fall. He obtained his PhD in Computer Science and Informatics from Oakland University. His research interest spans diverse areas such as Bioinformatics, Big Data Mining and Pattern Recognition, Artificial Intelligence, Data Science and the development of Classification Algorithms for Matrix Data Points.

**Katherine Bis** Katie earned 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 has taught AP Statistics and Algebra 2 at Country Day Upper School and has taught ACT/SAT prep classes for the past 10 years. Katie has been actively involved in coaching teams and/or coordinating competitions for FLL, Robofest, Science Olympiad, WRO, and Vex robotics for the past 9 years and has traveled internationally to Russia (2014), Qatar (2015), and India (2016) with her son's WRO World Championship qualifying teams. Katie is currently the Robotics Program Manager for Cranbrook Schools in Bloomfield Hills, Michigan.

**Ali Mustafa, Ph.D.** Ali received his BA degree in Mathematics from Chico State University, MS degree in Computational Mathematics from Western Michigan University, Kalamazoo and his Ph.D. in Machine Vision/Multimedia Data Mining from Oakland University, Rochester. Currently, he is a team lead for the Visions Systems at Zenuity, Inc. in Farmington Hills, Michigan working on the next generation of autonomous driving. In addition to teaching, his experience ranges from Medical Imaging, to camera based manufacturing inspection systems, to surveillance video processing for events detection, to automotive level 4 and 5 autonomous driving.

**Nicholas Paul** received his B.S. in computer science from Lawrence Technological University and is currently pursuing a master's degree focused on data science and Intelligent Systems. He participated in Robofest exhibition and game divisions while he was in middle school and has been involved in programming ever since. His passion for Robofest led him to become a student employee where he manages the registration system helps develop new technologies such as the new online judging system. During his undergraduate studies he participated in several robotics and computer science projects including the autonomous electric vehicle project and galaxy feature classification using deep learning. He holds several leadership positions on such as the former math club president, a calculus lab teacher's assistant, a math and computer science tutor, and the GlobalHack software competition team captain.

**Satish Venugopal** an Electronics and Communications graduate is an enterprise architect for Oracle corporation. His latest project for Oracle include implementing Raspberry Pis and other low cost devices as IoT devices to measure the network performance and end-user experience across oracle offices located in various continents. He also coaches middle school students on digital logics, robotics, and programming. He lives in Westland, Michigan