

2017 Margaret Ashida Higher Education STEM Leadership Award



For over 10 years, Dr. Candice Foley has leveraged successive National Science Foundation (NSF) and National Institutes of Health (NIH) STEM funding to provide academic and research opportunities that inspire students, expand their interest in STEM, and support their STEM career goals. In addition to her responsibilities as Professor of Chemistry at Suffolk County Community College (SCCC), she has been active on the national, state and local levels, serving as a plenary speaker at an NSF-S-STEM conference for principal investigators, as a symposium leader and presenter at multiple American Chemical Society (ACS) meetings, serving on a State University of New York (SUNY) panel investigating the value of student research experiences, as a charter member of the Empire State STEM Learning Network, and as a founding member and leader of the Long Island STEM Hub. In addition, Dr. Foley has secured private foundation funding to support STEM students. To date, she has been awarded over \$2,500,000 for scholarships, academic support and student professional growth.

Dr. Foley has developed STEM programs that provide scholarships, mentoring programs, and experiential learning opportunities to inspire students to pursue careers in STEM and has had a profound impact on students, faculty and on SCCC, the largest community college in the SUNY system. As an example, she fostered partnerships with over 10 SUNY institutions to expand STEM and STEM transfer opportunities for SCCC students and along with many more STEM and N.S.F. focused research projects.

Dr. Foley has a true passion for guiding students to becoming the next generation of STEM professionals. As evidenced by the large numbers of students and faculty affected, she is truly deserving of the 2017 Margaret Ashida Leadership Award for Higher Education.

2017 Margaret Ashida STEM Workforce Leadership Award



MARC A. CHIFFERT, P.E. is the Managing Member of CHIFFERT Engineering PC (“CAEC”), an architectural engineering design firm providing complete consulting architectural engineering design services and project management services. Clients include individuals as well as landlords, property owners and commercial tenants, interior designers, property managers, asset managers, and real estate developers and investors. With over 25 years of extensive engineering and construction experience, Marc is expert in architectural engineering, renewable energy, construction methodology, scheduling and project management, zoning and code analysis, and land development/subdivision.

Mr. Chiffert started his career with international construction management firms including Lehrer/ McGovern and Morse/Diesel in New York City and Magil Construction and Divco in Montreal. Marc Chiffert has lectured on engineering and construction methodology at the Pratt Institute of New York, and on AutoCad at the College of Aeronautics, Flushing, NY. Marc is a regular lecturer at the STEM Summer Institute. Marc was also member of the NYC Department of Building’s Technical Subcommittee for the new Energy Code as well as a member of the NYC Fire Department Code Revision Advisory Committee. Marc Chiffert is also a NYS Technical Real Estate Instructor.

2017 Margaret Ashida PK-20 STEM Leadership Award



Mark D. Vaughn, Ph.D. Manager, Technical Talent Pipelining for Corning Inc and Lead, Technology Community Office of STEM Corning Incorporated is a highly dedicated supporter of Stem Education. He is a great role model and in this role. Dr. Vaughn develops, implements and manages PK-20 science and engineering programs and initiatives in support of meeting the Technology Community's near term and long term technical talent needs. He is often speaks on this topic and is a leader in the state and southern tier is STEM education. He is one that never says no and is willing to do the hard work as well as lead in efforts to engage faculty and students. He is well known and respected by all in the STEM community.

Dr. Vaughn began his 28 year career with Corning in 1988 as a Research Technician. He holds a Bachelor of Arts degree in Physics from Alfred University, a Master of Science degree in Optics from the University of Rochester, and a Ph.D. in Electrical Engineering from Georgia Institute of Technology. Prior to his current role, Dr. Vaughn was a Research Associate in Modeling and Simulation where he was a noted expert in Optical Network Traffic Demand Modeling and Access Network Cost Modeling. In addition to his primary role, Vaughn has served the Technology Community and Corporation in a variety of other ways including serving as an Innovation Black Belt, the immediate past chairman of the Black Technology Network and the Project Manager for Leadership Fundamentals for Program Managers, one of the corporation's premiere leadership.

Dr. Vaughn is a native of Elmira, New York. He and his wife, Jeanette (who is an Elementary School Principal), reside in Painted Post, New York and are the proud parents of 5 children.

2017 Margaret Ashida Outstanding STEM Leadership Award



For well over a decade Dr. Craig Clark has been an avid and engaged supporter of STEM education and STEM learning in a multitude of ways. Dr. Clark has been, since its inception, an active participant and leader with the New York State STEM Education Collaborative and with its individual member organizations including NYSTEEA, STANYS, AMTNYS and the NYSSPE. He made it possible for Alfred State to become one of the first partners with our NYS STEM Education Collaborative. Dr. Clark, has been recently promoted to vice President of Economic Development at Alfred State and has facilitated the opening up Alfred State's SUNY College of Technology campus to host our summer institute in 2014, 2015, and now in 2017. He has provided exceptional guidance and hospitality to participants, presenters, vendors and sponsors. He truly understands the power of students teachers, and workers being able to use and integrate the STEM disciplines while solving real world problems.

This highly respected educator and college administrator, over many years, has been instrumental running a number of renewable energy institutes. These training institutes are flush with STEM integration and application. He has worked miracles gaining a \$2.9 Million grant from NYSERDA that developed clean-energy programs statewide and a \$3.2 million advanced manufacturing programs at Burgard High School located within the City of Buffalo. He also facilitated a \$1 million grant from the Gleason Foundation for manufacturing programs. The Wellsville Campus that Dr. Clark has overseen for many years, continues to improve its facilities through the Education Foundation and private and public grant support. This support brought to fruition, the Zero Energy Home, the new 16,500 square foot Construction Industry Workforce Development Center and the new 16,500 square foot Advanced Manufacturing Center, which is the first state funded building on the Wellsville Campus.

Craig Clark is now responsible for developing and implementing an economic and industrial development program for both Alfred State and Allegany County. His new emphasis is on attracting businesses and industries to locate within the county and promoting expansion of existing business and industries. Craig continues to be college liaison with the START – UP NY Program, Empire State Development, Appalachian Regional Commission, and other grant funding and economic development organizations related to the college. Dr. Clark worked closely with Margaret Ashida on a

number of projects including two STEM Education Summer Institutes and the New York State Technology and Engineering Educators Association Policy Agenda and its Economic Imperative! He has served and serves as an example if someone who demonstrates all of the qualities and traits that Margaret Ashida lived by and exuded. Dr. Craig Clark, PE, PhD is an outstanding candidate for this prestigious award. Margaret Ashida would smile broadly over this nomination.