

Center for Technology & Innovation, Inc.
321 Water Street, Binghamton, NY 13901
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Experience Innovation - Past, Present, & Future

Board of Directors – June 2016

Erik Antonsson, Corporate Director of Technology, Northrop Grumman, Washington, DC

Prior to joining Northrop Grumman, Dr. Antonsson founded the Engineering Design Research Lab during his 25 year tenure at Caltech. While on leave from Caltech in 2002-2005, he served as Chief Technologist at the Jet Propulsion Laboratory. A graduate of Vestal High School, he holds degrees in Mechanical Engineering from Cornell (BS, 1976) and MIT (PhD, 1982).

Paul Ceruzzi, Curator of Aerospace Electronics and Computing, National Air and Space Museum, Washington, DC.

Dr. Ceruzzi is the author of several books for MIT Press, including *Computing, a Concise History* (2012), *A History of Modern Computing* (2003, 2nd ed.), and *Beyond the Limits: Flight Enters the Computer Age* (1989). He earned a BA in History from Yale (1972) and a PhD in American Studies from U. Kansas (1981).

Farouk El-Baz, Director, Center for Remote Sensing, Boston University, Boston, MA

Dr. El-Baz chaired the Apollo Astronaut Training Group, before founding the Center for Earth & Planetary Studies at the National Air and Space Museum in 1973. In 1986, he established the Center for Remote Sensing at Boston University, which he continues to lead. He holds a PhD in Geology from U. Missouri (1964).

Charles Goodwin, Endicott, NY Executive Director, NYSTEEA *Chair, Building Committee*

Mr. Goodwin has led the NYS Technology and Engineering Educators Association (NYSTEEA) since 2002, now chairing the NYS STEM Collaborative. He retired in 2003 as chair of the Technology & Management Sciences Department, Union-Endicott High School after three decades of service. He is a long-time member of Epsilon Pi Tau, the International Technology Educators Association, and the Society of Plastics Engineers. Mr. Goodwin earned a B.S. in Industrial Arts (1967) and an M.S. in Technology Education (1973) from SUC Oswego (NY).

Mark Kriebel, President, Arranged Sound, Inc. Johnson City, NY *Board Sec'y/ Treasurer*

Mr. Kriebel has been a principal in a MUZAK franchise serving a 10 county area of New York for more than 25 years. He served as Rotary International District Governor from 2006-7; in 2016 he was awarded the Silver Buffalo by the Boy Scouts of America. A graduate of Vestal High School, Mr. Kriebel earned a BA in Music at Ithaca College in 1974.

Tommy Hing-K Lam, Lockheed Martin Fellow, Owego, NY

Tommy Lam leads a group within Lockheed Martin System Integration Helicopter Program; he holds multiple patents in antenna design. He is Treasurer of IEEE - Binghamton Section and Chair, IEEE-Communications Society, Binghamton Chapter, with experience mentoring high school students in STEM projects.

Debra Morello, VP, Student & Economic Development, SUNY-Broome, Binghamton, NY

Ms. Morello is a strategic planner, working at Lourdes Hospital and since 1992, at SUNY-Broome Community College. Major capital construction, including SUNY Broome's first student residences and a \$1 million *Energy To Lead* grant from NYSERDA, were accomplished during her tenure. Ms. Morello earned a BA and MBA from Binghamton University.

Emily V. Wade, President, Museum Institute for Teaching Science, Boston, MA

In 1983, Ms. Wade founded the Museum Institute for Teaching Science (MITS) and continues as the MITS President. She is past president of the MIT Alumni Association, earning a BS in Chemistry at MIT in 1945.

C. Roger Westgate, Dean Emeritus, Watson School of Engineering, Binghamton University (BU), Binghamton, NY *Board President*

Dean of the Watson School of Engineering from 2000-2008, in Sept 2015, Dr. Westgate became Emeritus Professor of Electrical Engineering, retiring as Director of BU's Center for Autonomous Solar Power. He taught at Johns Hopkins University as Professor of Electrical Engineering and Computer Engineering (1975-2000; 2008-2013), with a joint appointment in Mechanical Engineering (1979-87). A graduate of Binghamton High School, he earned degrees in Electrical Engineering from RPI (BEE, 1962) and Princeton University (PhD, 1966).

There are no specified terms for Board members or Officers. Officers are reaffirmed at Annual Meeting.

In Memoriam

Herb Griffith, Jr., CEO, ITS Communications, Endicott, NY, first president of CT&I Board; *Stanley Hayes*, Program Manager, Link Aviation, retired, Greene, NY; and *Arthur Rosenblatt*, FAIA, Thomas Jefferson medalist, New York City, were all members of the Center for Technology & Innovation Board at the time of their deaths.