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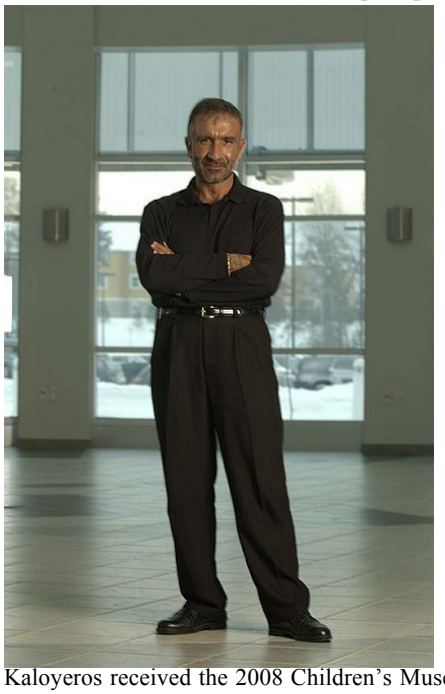
Alain E. Kaloyeros is Professor of Nanoscience and Senior Vice President and Chief Executive Officer, SUNY College of Nanoscale Science and Engineering (CNSE). Dr. Kaloyeros received his Ph.D. in Experimental Condensed Matter Physics from the University of Illinois, Urbana-Champaign in 1987. He has authored and co-authored over 150 articles and contributed to 7 books on topics pertaining to the science and technology of nanoelectronics and nano-optoelectronics ultrathin film materials, atomic layer vapor phase deposition processes, and nanoscale x-ray, electron, and photon-based characterization and metrology. He has graduated 31 Ph.D. and over 50 Masters students.



Dr. Kaloyeros holds 13 U.S. patents. He is a past recipient of the NSF Presidential Young Investigator Award, the NSF Research Initiation Award, the Albany Foundation 1995 Academic Laureate Award, the 1997 Center for Economic Growth Enterprise Award, the 1999 Citizen of the University Award, the 2002 Outstanding Inventor Award of the SUNY RF, the R&D 100 Award for one of the Most Technologically Significant Inventions of 2001, the 2003 Excellence in the Pursuit of Knowledge Award of the SUNY Research Foundation, and the 2004 Research Foundation Partnership in Leadership Award. Dr. Kaloyeros was also the recipient of the 2005 Tech Valley Summit MIKE (Mentorship, Innovation, Knowledge, and Entrepreneurship) Award on behalf of the CNSE executive leadership team. He was selected for the 2003, 2005, and 2007 "Tech Valley's Hot 10," an annual list of the top 10 movers and shakers in New York's Capital Region compiled by the Albany-Colonie Chamber of Commerce and the Capital Region media. Dr. Kaloyeros is listed in the Marquis Who's Who in Science and Engineering, 2006-present; the AcademicKeys Who's Who in Higher Education Administration, 2005-present; and the AcademicKeys Who's Who in Sciences Higher Education, 2004-present. Additionally, Dr. Kaloyeros received the 2008 Children's Museum of Science and Technology's Explore*Discover*Imagine award, the 2009 Tech Valley Global Business Network Global Vision Award, the 2010 Albany-Colonie Regional Chamber of Commerce Envoy Salute, the 2011 Business Review Achievers 'Game Changer' award, and was inducted into the Tech Valley Business Hall of Fame in 2011.

Dr. Kaloyeros has been actively involved in the development and implementation of Governor Andrew M. Cuomo's high-tech strategy to enable New York state to become a global leader in the nanotechnology-driven economy of the 21st Century. A critical cornerstone of New York's high-technology strategy is the establishment of the SUNY College of Nanoscale Science and Engineering as a truly global resource for research and development (R&D), technology deployment, education, and commercialization for the international nanoelectronics industry. CNSE has generated over $17B in public and private investments, including approximately $1.4B from NYS and more than $16B from the federal government and international nanoelectronics industry. CNSE represents the world's most advanced university-driven research enterprise, offering students a one-of-a-kind academic experience and providing over 300 corporate partners with access to an unmatched ecosystem for leading-edge R&D and commercialization of nanoelectronics and nanotechnology innovations. CNSE's footprint spans upstate New York, including its Albany NanoTech Complex, a 1,300,000-square-foot megaplex with the only fully-integrated, 300mm and 450mm wafer, computer chip pilot prototyping and demonstration line within 135,000 square feet of Class 1 capable cleanrooms. More than 3,100 scientists, researchers, engineers, students and faculty work here, from companies including IBM, Intel, GlobalFoundries, SEMATECH, Samsung, TSMC, Applied Materials, Tokyo Electron, ASML, and Lam Research. In addition, CNSE Kiernan Plaza in downtown Albany is home to CNSE's Smart Cities Technology Innovation Center (SCiTI), which leverages funding from Governor Cuomo's Capital Region Economic Development Council to attract companies to downtown Albany and position New York as a global leader in the emerging smart cities technology sector. CNSE's Solar Energy Development Center in Halfmoon provides a prototyping and demonstration line for next-generation CIGS thin-film solar cells and supports CNSE's leadership of the U.S. Photovoltaic Manufacturing Consortium (PVMC). CNSE's Smart System Technology and Commercialization Center of Excellence (STC) in Rochester offers state-of-the-art capabilities for MEMS fabrication and packaging. The CNSE Photovoltaic Manufacturing and Technology Development Facility (CNSE MDF), also in Rochester, is the solar industry's first full-service collaborative facility dedicated to crystalline silicon. CNSE also co-founded and manages operations at the Computer Chip Commercialization Center (QUAD-C) at SUNYIT and is the lead developer of the Marcy Nanocenter site, both in Utica, and is partnering with AMRI and the Buffalo Niagara Medical Campus to develop the Medical Innovation and Commercialization Hub in Buffalo.