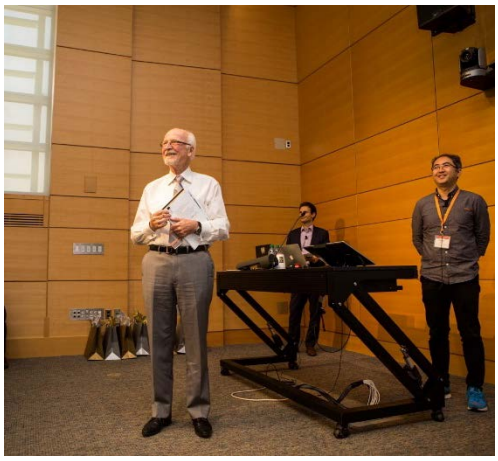
CACHE News
Summer 2017

George Stephanopoulos Honored at 2040 Vision in MIT Symposium



The 2040 Vision in Process Systems Engineering Symposium was held at MIT on June 1 and 2, 2017 to honor former CACHE trustee George Stephanopoulos on his 70th Birthday and upon his retirement from MIT. The symposium included presentations and discussions on the future visions for Process Systems Engineering, as well as a reunion of Stephanopoulos's former and current students, post-docs, academic and industrial friends and colleagues.

For more information about the successful event, including presentation slides, videos, and photos, visit: http://stephanopoulos-symposium.mit.edu/

Dr. Stephanopoulos received his Diploma of Chemical Engineering from National Technical University of Athens in 1970, his M.E. from McMaster University in 1971, and his Ph.D. from the University of Florida in 1974. He joined the Department of Chemical Engineering and Material Sciences at the University of Minnesota in 1974 and joined the Chemical Engineering Faculty of MIT in 1984, where he has been ever since.

In his 40 year career, Stephanopoulos' research and teaching interests have covered many aspects of Process Systems Engineering, including: process synthesis; process optimization; process operations modeling, analysis, diagnosis, planning and control. Besides chemical processes, his systems engineering interests led him into a variety of other types of systems, addressing research issues related to the design, analysis, control, and optimization of systems such as: networks of chemical or biochemical reactions; integrated manufacturing systems within the scope of a national economy or corporate business; city traffic networks and intercity transportation networks; systems approaches to the design and manufacturing of products; and process systems engineering for integrated molecular-nanoscale processes. Recalling the old dictum, attributed to Aristotle, "a well-formulated problem is half-solved", in all of his research activities the focus has been primarily on the "problems"; understanding them and uncovering their essential features.

Dr. Stephanopoulos has co-authored or –edited 15 books, 220 papers, and 5 patents. For his broad impact on the field of chemical engineering, he has received over 20 major awards, including the Dreyfus Teacher and Scholar Award, AIChE Colburn Award for Excellence in Research, ASEE McGraw Award for Research, AIChE Walker Award for Excellence in Contributions to ChE Literature, and the AACC Ragazzini Award. He was awarded an Honorary Doctorate of Science from McMaster University, is a member of the U.S. National Academy of Engineering, a Foreign Member of the Russian Academy of Technological Sciences, is a Fellow of the American Academy of Arts and Sciences, and was named in the AIChE 100 Chemical Engineers of the Modern Era. For a full listing of George Stephanopoulos' awards and recognitions, visit: http://stephanopoulos-symposium.mit.edu/wp-content/uploads/sites/30/2017/02/awards.pdf