New CACHE Trustee

Chau-Chyun Chen is a Technology Fellow at Aspen Technology, Inc. He is currently responsible for AspenTech's applied physical properties and chemistries business and technology. He received ScD and MS degrees in chemical engineering from the Massachusetts Institute of Technology in 1980 and in 1977, and a BS degree in chemistry from the National Taiwan University in 1973. Before joining AspenTech as a co-founder in 1981, he was a researcher on the Aspen Project at MIT. Dr. Chen's research interests are in applied thermodynamics, reaction engineering, process modeling and simulation, and their industrial applications. At AspenTech, he contributed to various research and development and business management activities to extend applications of first principles-based process modeling technologies. He is the inventor and architect of the electrolyte modeling and polymer modeling capabilities in AspenTech's process modeling tools, which are widely used to model industrial processes involving complex chemical systems with electrolytes and with polymers. More recently, his research activities have extended to pharmaceutical and biological product and process modeling.

Dr. Chen is the recipient of the 2001 Computing Practice Award, Computing and Systems Technology (CAST) Division of the American Institute of Chemical Engineers (AIChE), and the 1984 Ted Peterson Student Paper Award also from CAST Division of AIChE. He serves in the editorial board of the International Journal of Fluid Phase Equilibria. Dr. Chen is a member of the American Chemical Society, the American Institute of Chemical Engineers, and the American Association for the Advancement of Science, and the Chinese American Chemical Society.