

Invited Speaker

Matthew Tirrell

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Matthew Tirrell is Arnold and Barbara Silverman Professor and Chair of Bioengineering at the University of California, Berkeley, USA with additional appointments in Chemical Engineering and Materials Science and Engineering, and as a Faculty Scientist at the Lawrence Berkeley National Laboratory. Tirrell received his B.S. in Chemical Engineering at Northwestern University, USA and his Ph.D. in 1977 in Polymer Science from the University of Massachusetts, USA. From 1977 to 1999, he was on the faculty of Chemical Engineering and Materials Science at the University of Minnesota, USA, where he served as department head from 1995 to 1999. Tirrell completed 10 years as Dean of Engineering at the University of California, Santa Barbara, USA on June 30, 2009. His research has been in polymer surface properties, adsorption, adhesion, surface treatment, friction, lubrication, biocompatibility and self-assembly. He has co-authored about 280 papers and one book and has supervised about 80 Ph.D. students. Tirrell has been a Sloan and a Guggenheim Fellow, Camille and Henry Dreyfus Teacher-Scholar and has received the Allan P. Colburn, Charles Stine, William H. Walker and Professional Progress Awards from the American Institute of Chemical Engineers, and was the Institute Lecturer in 2001. He is a member of the National Academy of Engineering, the American Academy of Arts and Sciences and the Indian National Academy of Engineering, and a Fellow of the American Institute of Medical and Biological Engineers, the American Association for the Advancement of Science and the American Physical Society.