

## **Biography**

David Goodwin is Professor of Mechanical Engineering and Applied Physics at the California Institute of Technology. He was a recipient of an NSF Presidential Young Investigator award in 1990--95 for work on combustion synthesis of diamond films. From 1996 to 2000, he headed a team supported jointly by NSF and DARPA to apply advanced mathematical tools to the design and operation of thin film deposition processes. Currently, his research is focused in two areas: chemical vapor deposition (active oxide thin films, growth of nanostructures by CVD), and solid oxide fuel cells (modeling of anode processes, spectroscopic diagnostics). He is a co-founder of Oraxion Diagnostics, Inc., and is a member of the Scientific Advisory Board of Superprotonic, Inc. From 2003—2005, he served as Chair of the Faculty at Caltech.