



## **Mahmoud El-Halwagi**

*Texas A&M University*

*Mahmoud El-Halwagi* is a Professor and Holder of the McFerrin Professorship at the Artie McFerrin Chemical Engineering Department, Texas A&M University. Mahmoud's main areas of expertise are process integration, synthesis, design, operation, and optimization, molecular and product design, as well as industrial pollution prevention. In addition to the theoretical foundations he helped lay down in these areas, he has been active in education, technology transfer, and industrial applications. He is the coauthor of about 130 papers and book chapters and is the author/co-author/co-editor of four books including the widely used textbooks: "Process Integration", Elsevier (2006) and "Pollution Prevention through Process Integration: Systematic Design Tools", Academic Press (1997) which was translated and published in Korean and Chinese editions.

Mahmoud is the recipient of several awards including the AIChE Sustainable Engineering Forum (SEF) Award in Research Excellence, the Mortar Board Favorite Educator Award, the Birdsong Merit Teaching Award, the Panhellenic Council Outstanding Faculty Award, the Outstanding Faculty Member Award, the Fred H. Pumphrey Award, the Texas A&M Association of Former Students Distinguished Achievement Award, The Fluor Distinguished Teaching Award, and the National Science Foundation's National Young Investigator Award.

Mahmoud received his Ph.D. in Chemical Engineering from the University of California, Los Angeles and his M.S. and B.S. from Cairo University. He has been active in computer-aided chemical engineering for about 25 years. He has organized, chaired, and presented in numerous sessions and conferences including co-chairing the Foundations of Computer Aided Design conference (FOCAPD 2009) administered by CACHE.

Mahmoud M. El-Halwagi  
Professor and Holder of the McFerrin Professorship  
Texas A&M University  
College Station, Texas 77843-3122  
Phone (979)845-3484 E-Mail: [El-Halwagi@TAMU.edu](mailto:El-Halwagi@TAMU.edu)  
<http://cheweb.tamu.edu/faculty/el-halwagi/>