PROFESSOR MICHAEL TSAPATSIS

Short CV for the Nomination
of "STRATIS V. SOTIRCHOS" 2005 Memorial Lectureship

Dr. Michael Tsapatsis is Professor at the Department of Chemical Engineering and Materials Science Institute of Technology, University of Minnesota, and holder of the Shell Endowed Chair.

Michael was born in Athens, Greece, on July 26, 1965. He received his Dipl. Ing. in Chemical Engineering from the University of Patras, in 1988. He earned a MS and a PhD in Chemical Engineering from the California Institute of Technology in 1991 and 1994, respectively, with Professor George R. Gavalas as his academic advisor.

In 1994 Michael joined the Department of Chemical Engineering of the University of Massachusetts, at Amherst, attaining the rank of Associate Professor in 1999. In 2003 Michael moved to the University of Minnesota with the rank of Full Professor.

Michael's career as a dedicated teacher, pioneering researcher and technological innovator has been extraordinary. The focus of his R&D work is in demonstrating innovative processing strategies for engineering functional devices and microstructures, with applications ranging from molecular sieves to electronic and optical devices. He has over 80 publications in prestigious scientific journals, which have received nearly 2000 citations (excluding self citations). He has received several awards and other distinctions, notably, the NSF Career Award (1996), the David and Lucille Packard Fellowship for Science and Engineering (1996), the Camille Dreyfus Teacher-Scholar Award (1998), the Outstanding Junior Faculty Award of the University of Massachusetts (1998), the G.C.A Schuit Lecture of the University of Delaware (2004), and the Honda Initiation Grant (2004; with L. Schmidt). He has already supervised the PhD work of 12 former students, who are now leading distinguished careers of their own in academia and industry.

The Stratis V. Sotirchos Memorial Lectureship 2005 Award Citation is as follows:

"For innovation and creativity in controlling microstructure in molecular sieve films, leading to membranes of unprecedented performance, and for the discovery of 3D-microporous layers and their use in nanocomposites"