



thomas m.
truskett

Thomas M. Truskett is an associate professor and the Paul D. & Betty Robertson Meek Centennial Fellow in the Department of Chemical Engineering at the University of Texas at Austin. He earned his bachelor of science in chemical engineering from the University of Texas at Austin in 1996 and a doctoral degree in chemical engineering from Princeton University in 2001, where he studied statistical mechanics of the liquid state, crystallization, the glass transition, and structuring of random media. He then pursued post-doctoral research at the University of California at San Francisco, where he investigated hydrophobic interactions and modeling of biomolecular interactions. In 2002, he joined the faculty of the University of Texas at Austin.

Truskett's research group develops computational and theoretical tools to explore how interfaces and confinement impact the behavior of molecular fluids, colloidal suspensions, protein solutions, and glasses. He was recognized with the Cockrell School of Engineering's Award for Outstanding Teaching by an assistant professor in 2005, and a Student Engineering Council's Teaching Excellence Award in 2004. In addition, Truskett was the 2007 Van Ness Award Lecturer of the Department of Chemical and Biological Engineering at Rensselaer Polytechnic Institute. He is an Alfred P. Sloan Research Fellow, a David and Lucile Packard Foundation Fellow, a recipient of the National Science Foundation's CAREER Award and the 2007 recipient of the Allan P. Colburn Award from the American Institute of Chemical Engineers.

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Associate Professor and
Paul D. & Betty Robertson
Meek Centennial Fellow
Department of Chemical Engineering
University of Texas at Austin

Hydration,
Polymer Unfolding,
and
the Puzzle of
Cold Denaturation

Tuesday, October 7, 2008
3:30 p.m.

131 DeBartolo Hall
University of Notre Dame

Refreshments will be served
at 3:00 p.m.
181 Fitzpatrick Hall of Engineering



ernest w.
thiele

Dr. Thiele was one of the pioneers of the chemical engineering profession. After earning his doctoral degree from M.I.T. in 1925, he worked for the next 35 years at Standard Oil Company (Indiana) in almost every aspect of petroleum refining and rose to become the Associate Director of Research. Upon retirement from Standard Oil in 1960, he joined the chemical engineering faculty at Notre Dame and remained on the faculty until 1970, teaching courses primarily in thermodynamics, instrumentation, and control.

Thiele published 20 papers and held some 30 patents. Two of these papers are classics, and his name is thus associated with two major problems in chemical engineering. He conceived the McCabe-Thiele graphical method for fractionating columns [Ind. Eng. Chem., 17, 605 (1925)] while he was a graduate student. The influence of his work on simultaneous diffusion and reaction in catalyst pellets [Ind. Eng. Chem., 31, 916 (1939)] is so large that the relative importance of intrapellet diffusion is now commonly assessed by the magnitude of a parameter called the Thiele modulus.

He received major national awards, including membership in the National Academy of Engineering, and was awarded an honorary doctorate by the University of Notre Dame in 1971 in recognition of his contributions to chemical engineering and the University.



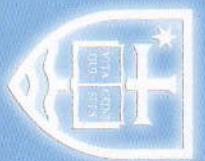
distinguished lecturers

The Thiele Lectureship was established in 1986 to honor Dr. Thiele's association with the Notre Dame chemical and biomolecular engineering department. The Lectureship is intended to recognize outstanding research contributions by a younger member of the chemical engineering profession. Previous lecturers in the series are listed below:

1986	D. A. Lauffenburger
1987	M. Morari
1988	M. A. Barteau
1989	R. A. Brown
1990	G. G. Fuller
1991	V. Balakotiah
1992	A. P. Gast
1993	D. N. Theodorou
1994	C. F. Zukoski
1995	H. C. Foley
1996	A. Z. Panagiotopoulos
1997	J. Y. Ying
1998	C. Khosla
1999	E.S.G. Shaqfeh
2000	J. Kornfield
2001	R. D. Braatz
2002	L. M. Russell
2003	L. J. Broadbent
2004	W. H. Green, Jr.
2005	A. E. Barron
2006	P. S. Doyle
2007	Y. L. Luo

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Ernest W. Thiele
Lectureship

2008

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and Biomolecular Engineering
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