

Jeffrey J Weimer

Associate Professor (Joint Appointment), Chemistry / Chemical & Materials Engineering
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Professional Preparation

Pennsylvania State University	Chemical Engineering	B.S. 1978
Massachusetts Institute of Technology	Chemical Engineering	Ph.D. 1983
T. U. München (Postdoctorate)	Surface Physics	1983 - 1984

Appointments

University of Alabama in Huntsville

Associate Professor		9/96 - present
Assistant Professor		9/90 - 8/96
Adjunct Faculty	Joint Materials Science Ph.D. Program	9/90 - present
Acting Interim Chair	Chemistry	6/01 - 8/01
Associate Chair	Chemistry / Materials Science Program	8/00 - 5/01
Associate Director	Lab. for Materials & Surface Characterization	9/98 - 8/01

Other Institutions

Senior Fellow	Chemistry, NRL, Washington DC	Summers 09-11, 14
Sabbatical Faculty	Tribology Section, NRL	9/07 - 8/08
Visiting Fellow	Physical Chemistry, New South Wales, Australia	Summer 1991
Visiting Scientist	Surface Reactions, FHI-Berlin	1987 - 90
Research Scientist	Lab. for Surface Science & Technology, U. Maine	1985 - 87

Recent Publications and Presentations

“Generating a state diagram of Langmuir films of quantum dots”, C. Nguyen and J. J. Weimer, ACS Colloid & Surface Science Symposium, State College PA (2018).

“An uncertainty budget analysis on the Hamaker constant determined when fitting force-distance curves for a sphere-plate system”, J. J. Weimer, *Measurement* **118** 2018.

“Isotherm analysis of the solution-phase uptake of chlorotrimethyl silane on a photosensitive glass”, W. R. Gaillard, A. Maharwar, J. J. Weimer, and J. D. Williams, *Surfaces and Interfaces* **10** 2018.

“Lipid bilayer membrane in a silicon-based micron-sized cavity accessed by atomic force microscopy and electrochemical impedance spectroscopy”, M. S. Khan, N. S. Dosoky, D. Patel, J. J. Weimer, and J. D. Williams, *Biosensors* **7 (3)** 2017.

“Analysis of the uptake of chlorotrimethylsilane on glass from toluene solution-phase depositions”, A. Maharwar and J. J. Weimer, *Surfaces and Interfaces* **7** 2017.

Patents

“Controlled method to spontaneously self-assemble uniform, well-ordered films of solid nanoparticles”, C. Nguyen and J. J. Weimer, Application 62905868.