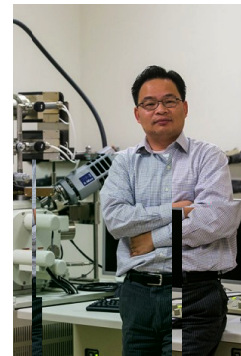


Weihua Ming (明伟华)

Department of Chemistry, Georgia Southern University,
P.O. Box 8064, Statesboro, GA 30426
E-mail: wming@georgiasouthern.edu
<https://sites.google.com/a/georgiasouthern.edu/ming-lab>

Georgia Southern University,
Statesboro, GA 30426
[www.georgiasouthern.edu/ming-lab](https://sites.google.com/a/georgiasouthern.edu/ming-lab)



Dr. Weihua Ming is currently an Associate Professor and will become Full Professor on August 1, 2014. He received his Ph.D. in Materials Science at Georgia Southern in August 2011, Dr. Ming was a postdoc at University of New Hampshire (UNH) and at Delft University of Technology in the Netherlands. He received his M.S. in Materials Chemistry (supervisors: Profs. Shoukuan Li and J. H. W. Lam) from Delft University of Technology in 1998 and a B.S. in Materials Chemistry, both from Delft University of Technology from 1998-2000.

Dr. Ming is currently an Associate Professor in Chemistry (will become Full Professor in 2014) and the Distinguished Chair in Chemistry at Georgia Southern University. Prior to joining Georgia Southern, he was a faculty member at University of New Hampshire and Delft University of Technology (TU/e) in the Netherlands. He received his Ph.D. in Polymer Chemistry and Physics (supervisor: Prof. Frank Jones) in 1998 and a B.S. in Materials Chemistry from Delft University of Technology and performed postdoc research at Delft University of Technology from 1998-2000.

Over the past decade, we have been focusing on multifunctional, nanostructured polymeric materials and coatings. In this seminar, I will describe our recent endeavors in designing and making the following functional polymeric surfaces and coatings:

- Super-repellent (water- and oil-repellent) surfaces
- Anti-bioadhesion surfaces
- Antimicrobial coatings
- Antifogging/anti-icing coatings
- Self-healing coatings
- Smart coatings for detecting early metal corrosion and preemptive corrosion protection