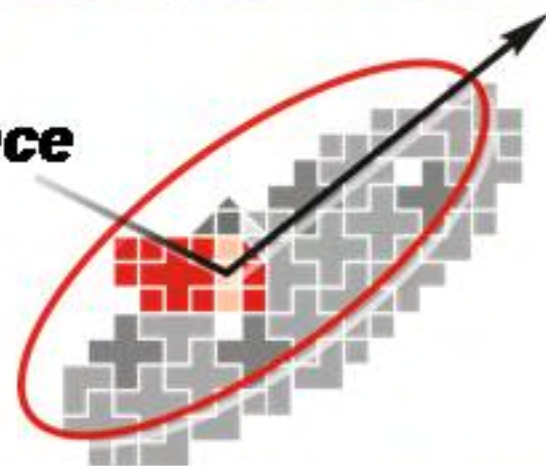


Mini Symposium
In-situ Quartz Crystal Microbalance
and Spectroscopic Ellipsometry
Characterization of Biological
Materials

Tuesday, Nov 17, 2009

3:30-5:10pm, 237N WSEC



ellipsometry.unl.edu

3:30-4:10pm: Prof. Dr. Hans Arwin, *Spectroscopic ellipsometry on protein layers: characterization and sensor applications* Laboratory of Applied Optics, Department of Physics, Chemistry and Biology, Linköping University, Linköping, Sweden

4:10-4:30pm: K. B. Rodenhausen¹, M. Guericke², T. Hofmann¹, M. Schubert¹, T. E. Tiwald³, M. Solinsky⁴, and M. Wagner⁴, *Monitoring organic thin film growth in-situ with combined quartz crystal microbalance and spectroscopic ellipsometry* ¹Department of Electrical Engineering, University of Nebraska-Lincoln; ²University of Heidelberg; ³J.A.Woollam Co.; ⁴Procter & Gamble

4:30-4:50pm: Eva Bittrich, *SE-QCMD on charged polymer brushes: Swelling and protein adsorption* Leibniz Institut für Polymerforschung Dresden, Germany

4:50-5:10pm: Beth A. Duensing and Angela K. Pannier, *Controlling nonviral gene delivery through the cell-biomaterial interface* Biomedical Engineering Program, Department of Biological Systems Engineering, University of Nebraska-Lincoln

Host: Mathias Schubert

In collaboration with the NCMN/NSF-MRSEC Seminar Series