



Users' Meeting  
2010

## Poster Sessions

*Synchrotron Radiation Center  
University of Wisconsin-Madison*

### Poster Session I Friday, October 8, 2010 (SRC Vault)

Poster #	Title and Author(s)
UM2010 Friday - 1	<a href="#">Probing Local-Stressor Induced Conduction Band Changes in Silicon with XPEEM</a> <b>A. M. Clausen, C. S. Ritz, M.-H. Huang, C. Euaruksakul, N. Appathurai, K. Saenger, and M. G. Lagally</b>
UM2010 Friday - 2	<a href="#">Illuminating the Dark Corridor in Graphene: Polarization Dependence of Angle-Resolved Photoemission Spectroscopy on Graphene</a> <b>I. Gierz, J. Henk, H. Höchst, C. R. Ast, and K. Kern</b>
UM2010 Friday - 3	<a href="#">High Definition sFTIR Imaging of Tissue From Alzheimer Disease Mouse Models</a> <b>M. Z. Kastyak-Ibrahim, M. J. Nasse, B. C. Albensi, M. del Bigio, C. Hirschmugl, and <u>K. M. Gough</u></b>
UM2010 Friday - 4	<a href="#">First in Situ Imaging of Usnic Acid in Cladonia (Lichen) by Vibrational Spectromicroscopy</a> <b>C. R. Liao, J. Sorensen, M. D. Piercey-Normore, and <u>K. M. Gough</u></b>
UM2010 Friday - 5	<a href="#">Double Photoionization Mechanisms in Aromatic Molecules</a> <b><u>T. Hartman</u>, E. Makoutz, K. Collins, B. Reily, M. Young, N. Appathurai, S. Whitfield, and R. Wehlitz</b>
UM2010 Friday - 6	<a href="#">FTIR, Raman, and SERS Imaging of Fungi</a> <b>F. Farazkhorasani, M. Isenor, C. R. Liao, M. A. Prusinkiewicz, <u>S. G. W. Kaminskyj</u>, M. J. Nasse, C. Hirschmugl and K. M. Gough</b>

UM2010 Friday - 7	<a href="#">Energy of the Quasi-free Electron in Dense Neon</a> <b>C. M. Evans, <u>Y. Lushtak</u>, and G. L. Findley</b>
UM2010 Friday - 8	<a href="#">Fermiology of Sr4V2O6Fe2As2 : Quasi-Nested Fe vs Mott-Insulating V Orbitals</a> <b>T. Qian, <u>N. Xu</u>, Y. B. Shi, K. Nakayama, P. Richard, T. Kawahara, T. Sato, T. Takahashi, M. Neupane, Y. M. Xu, X. P. Wang, G. Xu, X. Dai, Z. Fang, P. Cheng, H. H. Wen, and H. Ding</b>
UM2010 Friday - 9	<a href="#">Nutritional Status of Algae using FTIR Microspectroscopy</a> <b>D. Larin, C. Hirschmugl, and <u>M. J. Nasse</u></b>
UM2010 Friday - 10	<a href="#">Scattering of Surface States at Steps Investigated with Curved Crystals</a> <b><u>J. E. Ortega</u>, M. Corso, J. Lobo, M. Matena, Z. Abd-el-Fattah, F. Schiller</b>
UM2010 Friday - 11	<a href="#">Numerical Simulation of Vacuum-Ultraviolet Irradiation of Dielectric Layers</a> <b>H. Sinha, <u>H. Ren</u>, A. Sehgal, G.A. Antonelli, M. Severson, R. L. Julian, Y. Nishi, and J.L. Shohet</b>
UM2010 Friday - 12	<a href="#">Semi-localized States in Lightly Doped <math>\beta</math>-Ga2O3: ARPES vs STM</a> <b><u>P. Richard</u>, K. Iwaya, T. Hitosugi, T. Sato, S. Souma, R. Shimizu, H. Aida, K. Nakayama, T. Hashizume, and T. Takahashi</b>
UM2010 Friday - 13	<a href="#">Reflectance and Substrate Currents of Dielectric Layers Under Vacuum Ultraviolet Irradiation</a> <b><u>H. Sinha</u>, D.B. Straight, J.L. Lauer, N.C. Fuller, S.U. Engelmann, Y. Zhang, G.A. Antonelli, M. Severson, R. L. Julian, Y. Nishi, and J.L. Shohet</b>
UM2010 Friday - 14	<a href="#">Phonon-Induced Gaps in Graphite/Graphene Observed by Angle-Resolved Photoemission</a> <b><u>Y. Liu</u>, L. Zhang, M. K. Brinkley, G. Bian, T. Miller, and T.-C. Chiang</b>

## Poster Session II

### SATURDAY, OCTOBER 9, 2010

(SRC Vault)

Poster #	Title and Author(s)
UM2010 Saturday - 1	<a href="#">Spectromicroscopy of Extraterrestrial Materials using X-PEEM</a> <b><u>C. Benjamin</u> and N. P. Appathurai</b>
UM2010 Saturday - 2	<a href="#">Novel Band Renormalization Mechanisms in Correlated f-Electron Systems URu<sub>2</sub>Si<sub>2</sub> and USb<sub>2</sub></a> <b><u>T. Durakiewicz</u>, J.J. Joyce, E.D. Bauer, K.S. Graham, P.S. Riseborough, P.M. Oppeneer</b>

UM2010 Saturday - 3	<a href="#">Quantum Material Spectroscopy Center at the Canadian Light Source</a> <b>Sergey Gorovikov, Brian Yates, Andrea Damascelli, Harold Davis, Ruben Reininger, K. Ingvar Blomqvist, Michael Sigrist, Vinay Nagarkal, Siyue Chen, Emil Hallin, Mark de Jong</b>
UM2010 Saturday - 4	<a href="#">High Temperature X-ray Absorption Studies of Single Crystals of Multiferroic Rare-Earth Manganites</a> <b>S. Sen, S. K. Ray, Y. Zou, J. A. Dudek, M. S. Williamsen, L. Buroker, M. Bissen, M. Fisher, and P. Guptasarma</b>
UM2010 Saturday - 5	<a href="#">Universal Photochemical Breaking of the Peptide Bond</a> <b>P. S. Johnson, P. L. Cook, X. Liu, W. Yang, R. Julian, Y. Bai, N. L. Abbott, and F. J. Himpsel</b>
UM2010 Saturday - 6	<a href="#">Double Photoionization of Furan and Thiophene</a> <b>E. Makoutz, T. Hartman, and R. Wehlitz</b>
<u>UM2010</u> <u>Saturday - 7</u>	<a href="#">Multi-beam Synchrotron Infrared Chemical Imaging with High Spatial Resolution (IRENI): Assessing Performance</a> <b>M. J. Nasse, E. C. Mattson, and C. J. Hirschmugl</b>
UM2010 Saturday - 8	<a href="#">Charge Trapping in Low-k Porous Organosilicates During Processing from Vacuum Ultraviolet Irradiation</a> <b>H. Sinha, M. T. Nichols, H. Ren, A. Sehgal, J.L. Lauer, M. Tomoyasu, N. M. Russell, G. A. Antonelli, M. Severson, R. L. Julian, Y. Nishi, and J. L. Shohet</b>
UM2010 Saturday - 9	<a href="#">Data Analysis of FT-IR Imaging Data of Mouse Brain Tissue</a> <b>N. Mitchell, M. Rak, M. Nasse, and C. Hirschmugl</b>
UM2010 Saturday - 10	<a href="#">Vacuum Ultraviolet Damage Effects on Dielectric Films</a> <b>H. Ren, A. Sehgal, H. Sinha, M. Nichols, G. A. Antonelli, Y. Nishi, and J. L. Shohet</b>
UM2010 Saturday - 11	<a href="#">Design of a High-Resolution Beamline in SSRF</a> <b>R. Reininger, Y. Shi, and H. Ding</b>
UM2010 Saturday - 12	<a href="#">Predicting Processing Damage to Dielectric Films from Reflectance of VUV Radiation</a> <b>S. Thompson, A. Sehgal, H. Ren, D.B. Straight, J. Lauer, H. Sinha, G.A. Antonelli, Y. Nishi, and J.L. Shohet</b>
UM2010 Saturday - 13	<a href="#">In Situ Studies of Carbon-based Gas Nanosensors</a> <b>E.C. Mattson, S. Cui, G.H. Lu, M. J. Nasse J.H. Chen, M. Gajdardziska-Josifovska, and C.J. Hirschmugl</b>