



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

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

Poster Session II

SATURDAY, OCTOBER 9, 2010

(SRC Vault)

Poster #	Title and Author(s)
UM2010 Saturday - 1	Spectromicroscopy of Extraterrestrial Materials using X-PEEM <u>C. Benjamin</u> and N. P. Appathurai
UM2010 Saturday - 2	Novel Band Renormalization Mechanisms in Correlated f-Electron Systems URu₂Si₂ and USb₂ <u>T. Durakiewicz</u>, J.J. Joyce, E.D. Bauer, K.S. Graham, P.S. Riseborough, P.M. Oppeneer

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