

# LENS/CMP Seminars – 2010

*Swain West 238*

| <b>Date</b> | <b>Speaker</b>                                | <b>Title</b>                                                                                                                          | <b>Host</b>   |
|-------------|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|---------------|
| January 11  | <b>Spring Semester 2012 commences</b>         |                                                                                                                                       |               |
| January 11  | Adam Washington, IUCF                         | "Measuring Real Space Correlations with Neutrons?"                                                                                    |               |
| January 18  | NO SEMINAR-MARTIN LUTHER KING DAY             |                                                                                                                                       |               |
| January 25  | Jianhui Wang, Indiana University - Physics    | "Many-body Problems in Graphene"                                                                                                      |               |
| February 1  | NO SEMINAR SCHEDULED                          |                                                                                                                                       |               |
| February 8  | Emilio Cobanera, Indiana University - Physics | "Order-Disorder Symmetry in Condensed Matter and High Energy Physics: A Unifying Approach to Quantum and Classical (Self-) Dualities" |               |
| February 15 | Rana Ashkar, IUCF                             | "Probing buried morphologies in periodic confinements"                                                                                |               |
| February 22 | Morten Eskildsen, Notre Dame University       | "Pauli Paramagnetic Effects on the Vortex Cores in CeCoIn <sub>5</sub> "                                                              | Paul Sokol    |
| March 1     | NO SEMINAR SCHEDULED                          |                                                                                                                                       |               |
| March 8     | Carlos Bolech, University of Cincinnati       | "Polarized Superfluids in Cold Atomic Gases in Confined Geometries"                                                                   | Herb Fertig   |
| March 15    | <b>Spring Recess</b>                          |                                                                                                                                       |               |
| March 22    | Sriram Shastry, University of California-SC   | "From Strong to Extreme Correlations: Schwinger Dyson Equations for the t-J model"                                                    | Gerardo Ortiz |
| March 29    | Brian DeMarco, University of Illinois – UC    | "Experiments with Dirty Bosons"                                                                                                       | Dobrin Bossev |
| April 5     | Paul Stonaha, Indiana University - CEEM       | POSTPONED TO FALL SEMESTER                                                                                                            |               |
| April 12    | Ruihua Cheng, IUPUI                           | "Characterization of Nanostructure Materials Fabricated via Physical Vapor Deposition "                                               | Paul Sokol    |
| April 19    | Robin Selinger, Kent State University         | "Modeling Rubber that Moves: Liquid Crystal Elastomers"                                                                               | Herb Fertig   |
| April 26    | Luis Brey, CSIC, Madrid, Spain                | "Graphene based nanoelectronics: unzipping carbon nanotubes and superlattices"                                                        | Herb Fertig   |
| May 3       | <b>Finals Week - May 3-7</b>                  |                                                                                                                                       |               |

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|--------------|-------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| August 30    | <b>Fall Semester 2010 commences</b>                         |                                                                                                                                                    |                |
| September 3  | Paul McGinn,<br>Notre Dame University                       | "Combinatorial Materials Science - A High Throughput Approach for Materials Research "                                                             | David Baxter   |
| September 7  | Jinwu Ye,<br>Penn State University                          | "Superradiance, Photon phase diffusion and number squeezed state"                                                                                  | Gerardo Ortiz  |
| September 10 | Gregory McKenna<br>Texas Tech University                    | "Glassy Dynamics, Structure and Aging in Polymers, Small Molecules and Colloids"                                                                   | Paul Sokol     |
| September 17 | Leonid Isaev,<br>Indiana University - Physics               | "Superconductivity in strongly repulsive fermions: the role of frustration"                                                                        | Herb Fertig    |
| September 24 | Don Priour,<br>University Missouri at Kansas City           | "Melting and Rippling in covalently bound two dimensional crystals"                                                                                | Herb Fertig    |
| October 1    | NO SEMINAR SCHEDULED                                        |                                                                                                                                                    |                |
| October 8    | Fernando de Juan,<br>UC-Berkeley                            | "The influence of morphology in the electronic properties of graphene"                                                                             | Herb Fertig    |
| October 15   | NO SEMINAR SCHEDULED                                        |                                                                                                                                                    |                |
| October 22   | Dr. Rafi Bistritzer,<br>University of Texas at Austin       | "Twisted double-layer graphene"                                                                                                                    |                |
| October 29   | Gabor Csathy,<br>Purdue University                          | "Nonconventional Fractional Quantum Hall States"                                                                                                   | Herb Fertig    |
| November 5   | Liang-shi Li,<br>Indiana University - Chemistry Department  | "Toward Graphene-Based Photovoltaics"                                                                                                              | Larry Kesmodel |
| November 12  | Christopher Stock,<br>NIST/CEEM                             | "Helical spin-waves, magnetic order, and fluctuations in the langasite compound $Ba_3NbFe_3Si_2O_{14}$ "                                           | Paul Sokol     |
| November 16  | Samuel B. Emery,<br>University of Connecticut               | CANCELLED                                                                                                                                          | Dave Baxter    |
| November 19  | Prof. Supriyo Datta,<br>Purdue University                   | "Spin Transistor and Beyond"                                                                                                                       | Srini Iyengar  |
| November 23  | <b>Thanksgiving Recess – November 23-28</b>                 |                                                                                                                                                    |                |
| December 3   | Dr. Marc Janoschek,<br>University of California - San Diego | "Helimagnons and Magnetic Soliton Lattices: Two examples demonstrating the power of neutron scattering in unveiling the secrets of chiral magnets" | Roger Pynn     |
| December 10  | NO SEMINAR SCHEDULED                                        |                                                                                                                                                    |                |
| December 13  | <b>Finals Week - Dec 13-17</b>                              |                                                                                                                                                    |                |