

Physics Department Retreat 2002

When: Monday May 13th, 2002, 7.45 am - 5.00pm

Where: Lake Wheeler State Park Conference Center (Park Headquarters)

Directions: From campus, take Centennial Parkway to Lake Wheeler Rd. Turn right (south) and follow Lake Wheeler about 4.8 miles to the park entrance on the right (crossing Tryon at 1.3 miles and Penny at 3.0 miles). If you pass the dam you've gone too far. Follow the park road to the end. The conference area is in the headquarters building.

Directions to Reynolds/Osborne: On leaving the park, turn left (north) onto Lake Wheeler Road. After about 1.1 miles, turn left (there's a separate left-turn lane) onto Enchanted Oaks Drive. Follow the drive until a T intersection at Blue Sage (maybe half a mile), and turn left. 5429 is the third or fourth house on the left, just after the road bends right.

Who: All faculty, EPA personnel with teaching duties, GPSA president (or designates)

Agenda

7.45 - 8.30 am	Coffee, Tea and Pastries
8.30 - 9.15am	State of the Department (Gould)
9.15 - 9.45am	Space and Bond Update, Riddick (Fornes/Sayers)
9.45 - 10.00 am	Strategic Plan: where next (Sayers)
10.00 - 10.30am	Coffee Break
10.30 - 12 noon	Faculty research symposium: "What's the most interesting thing on which you are working" (Program attached).
Noon - 1.30pm	Lunch
1.30 - 2.00pm	Undergraduate Program Assessment (Mowat)
2.00 - 2.30 pm	Undergraduate curriculum issues (Reynolds)
2.30 - 3.45 pm	Graduate program discussion: Fast track graduate qualifier proposal and other graduate program issues (Paesler, Hallen).
3.45 -4.00 pm	Wrap up and adjourn to Chez "Reynolds-Osborne"
5.00pm	Close

Faculty Retreat Speakers – May 13, 2002 10.30-12 noon.

(5 minutes total, one transparency, speak for 3 minutes, Q and A for 2 minutes)

R. Beichner	“Getting SCALE-UP to Work at Other Institutions”
J. Risley	“Status of WebAssign”
K. Borkowski	“X-Ray Observations of Supernova Remnants Modeling”
D. Ellison	“Particle Acceleration in Astrophysical Shocks”
J. Blondin	“Three Dimensional Supernova Explosions”
S. Reynolds	“Huge Synchrotrons in the Sky: RCW 86 Chandra Observations”
G. McLaughlin	“Delayed Nickel Decay in Gamma Ray Bursts”
K. Chung	“Computation of Resonances in Atomic Systems”
C. Gould	“UCN’S at NCSU: Ultra Cold Neutrons at the Pulsar Reactor:”
D. Haase	“Polarized Nuclear Targets”
D. Markoff	“Recent Neutrino Data from KamLAND”
C. Ji	“QCD as a Self Organizing Relativistic Quantum Field Theory”
D. Lee	“Zone Methods and Light Fermion Simulations”
M. Paesler	“Paleophysics and Remote Sensing”
H. Hallen	“Hot Electron Transport in Metals”
J. Krim	“Nanoscale Tribology: On the Atomic Scale Origins of Friction”
D. Aspnes	“Polarizable Bond-Charge Model of 2nd Harmonic Generation”
M. Nardelli	“Electronic Properties of New Materials”
J. Bernholc	“The Multiscale Challenge in Materials and Biology”
C. Sagui	“Multiscale Biomolecular Simulations”
C. Roland	“Ab initio Investigations of Quantum Transport”
L. Mitas	“Magnetic Nanomaterials”
R. Nemanich	“Nanowires”
H. Ade	“STXM – first tests”