

Announcing

NC STATE UNIVERSITY

2009 Solar Energy Meeting

Wednesday, Oct 14, 2009, MRC Room 246

Sponsored by:

NC State University Nanotechnology Initiative: ncsu.edu/nano

NC State Vice Chancellor for Research and Graduate Studies

Organizers: Bill Winner, Greg Parsons, Harald Ade, Salah Bedair, Paul Maggard

Synopsis: Over the past 2-3 years, NC State has seen a significant increase in research activity related to renewable energy generation, storage, management and distribution. Solar energy harvesting is a particular strong area of interest. A new call from DOE for Innovation Hubs is expected in the coming months, and one is planned to address challenges in direct production of chemical fuels from solar energy (Solar Fuels). Research needs in this field may be of interest to NC State researchers.

Meeting Goals: The goals of this meeting are: 1) to inform the NC State research community regarding current activities and plans in solar energy research; 2) to make researchers aware of research tools, facilities and expertise in this field available on campus; and 3) discuss DOE's Innovation Hub concept, introduce the topic Solar Fuels, and identify possible areas where NC State researchers could contribute.

Program and Topics: The meeting will start at 12:00, and lunch will be available. ***The room can hold ~50 people, so attendance will be limited.*** Several researchers on campus will present, and there may be time for additional speakers. After discussion of the meeting motivation, the program will follow three main topics:

Overview and Introductions

12:00 Terri Lomax (VC for Research and Grad Studies)
John Petersen (RTEC)

I. Current research in PV materials and devices

12:30 Salah Bedair (ECE)
12:45 Harald Ade (PY)
1:00 Michael Dickey (CHE)
1:15 Orlin Velev (CHE)

II. What are Solar Fuels, and Current Research

1:30 Greg Parsons (CHE)
1:45 Paul Maggard (CH)
2:00 *Break*

III. Other activity: Bio, Catalysis and Translational Research

2:30 Mike Flickinger (BTEC)
2:45 Mark Johnson (MSE)
3:00 Veena Misra (ECE)
3:15 Jerry Bernholc (PY)
3:30 Discussion: What's next?

To Attend:

To confirm your plans to attend and eat lunch, please send an email to Ali Stieglitz, Nanotechnology Initiative Coordinator: astiegl@ncsu.edu 515-6390. **Deadline: 5pm Friday, Oct 9.**