

October 31, 2011

## MEETING ANNOUNCEMENT

### 4th International Conference on Porous Media & Annual Meeting of the International Society for Porous Media

May 14-16, 2012

Purdue University, West Lafayette, Indiana, USA

Deadline for Abstract submissions:  
January 15, 2012

Chairman: John Cushman

**Objectives:** The objectives of the conference are to bring together porous media theoreticians, modelers, and experimentalists from academia and industry and to provide a forum for exchanging ideas and expertise for advancing the porous media science. This includes problems around developing, producing, and manufacturing porous structures, characterizing them, or analyzing flow and transport that in addition, may involve thermal, chemical, electrical and mechanical aspects. The conference aims to cover descriptions of physical mechanisms in porous media at many different scales ranging from angstroms to the 100s of kilometers, using theoretical, numerical or experimental approaches.

All industrial applications involving porous materials are of relevance such as fuel cells, paper, diapers, and moisture absorbents, textiles, agrifoodstuffs, filters, concrete, ceramics, polymer composites, and detergent tablets. Biomedical devices such as drug delivering substrates as well as biological tissues and plants are of interest as well as natural porous media such as soils, aquifers, and reservoirs  
<http://www.physics.purdue.edu/interpore2012/index.php?page=home>

## FINAL WISP MEETING OF THE SEMESTER

**Topic:** Effective presentations

**Date:** Tuesday November 1, 2011

**Time:** 11:30-12:30

**Place:** Civil 2201

## EAS SEMINAR

**Thursday, November 3, at 3:30 p.m. in CIVL 1252:**  
"Dynamical and Thermodynamical Aspects of Tropical Cyclone Formation." Zhuo Wang, University of Illinois at Urbana-Champaign

Refreshments at 3 p.m. in CIVL 2201

For more information, see the EAS online [calendar](#).

## 2011 NWS ROAD SHOW

**Tuesday, November 8<sup>th</sup> at 4:00 pm in CIVL 2201**



Personnel from regional National Weather Service offices will be at Purdue to discuss opportunities and more. See the [flyer](#) at the back of this newsletter for details.



## OUR RECENT PUBLICATIONS

Bowen, G. J., C. D. Kennedy, Z. Liu, and J. Stalker, 2011: Water balance model for mean annual hydrogen and oxygen isotope distributions in surface waters of the contiguous USA. *Journal of Geophysical Research*, 116, G04011, doi:10.1029/2010JG001581.

## RECENT PRESENTATIONS

Jeff Trapp gave an oral presentation at the Open Science Conference of the World Climate Research Programme entitled, "Connecting tornado and extreme convective weather occurrence to climate variability and change." The conference was held in Denver, Colorado, 24-28 October 2011, and involved more than 1,700 leading climate scientists from 84 countries.

## CIC SMITHSONIAN FELLOWSHIP Deadline 11/15/11

The Committee on Institutional Cooperation (CIC) and the Smithsonian Institution (SI) invite fellowship applications for one-year fellowships to support research in residence at Smithsonian Institution facilities. Fellowships carry a stipend of \$30,000. All fields of study that are actively pursued by the museums and research organizations of the Smithsonian Institution are eligible. [Read more...](#)

**SEED GRANT FOR PURDUE-UQ EARLY CAREER RESEARCHER EXCHANGE TRAVEL GRANT - CALL FOR APPLICATIONS**

The Purdue University–University of Queensland early career researcher (ECR) exchange program will establish and accelerate research collaboration into a major strategic partnership. The program will fund research exchange scholarships for Purdue PhD students, DVM students and postdocs to UQ in targeted areas of mutual interest, combined with accompanying short visit by advising Purdue faculty to UQ. [Read more...](#) [Application form](#)

**TENURE TRACK GEOPHYSICIST POSITION UNIVERSITY OF WISCONSIN-MILWAUKEE**

The Department of Geosciences at the University of Wisconsin-Milwaukee welcomes applications for a tenure-track faculty position in geophysics at the rank of Assistant Professor with a start date of August 2012. [Read more...](#)

**A NOTE FROM OUR ACADEMIC COUNSELOR**

**Attention, Teaching Majors  
Resume Assistance**

A resume table will be set up on Tuesday, **November 1, 2011**, 10 am – 2 pm in BRNG 3287 to assist students who are Education majors—but all majors are welcome.

**Teach with Lighthouse Academies  
Challenge + Arts Infusion = Transformational Opportunities**

Lighthouse Academies is a national network of charter schools using rigorous academics and arts-

infusion to prepare students for college. With 10 schools in Indiana, they are seeking teachers who are dedicated to closing the achievement gap and changing students' lives. Meet with representatives from Lighthouse Academies on **November 3** at 6 p.m. in Lilly 3-102 to hear about their model, what they look for in teachers, and anticipated job openings. <http://www.lighthouse-academies.org/#>.

**Registration for Spring 2012**

Undergraduate registration for spring 2012 classes begins Monday, October 31, 2011. Students have specific "time tickets" that allow them to add classes for 4-5 days within their week or time period. The actual start time varies and is found in each student's Registration Status. The ranges are as follows:

<b>Classification (earned credit hrs on transcript)</b>	<b>Start date/time – End date/time</b>
Senior (90 hrs +)	Monday, October 31, 8 am – Saturday November 5, 12 pm
Junior (60-89 hrs )	Monday, November 7, 8 am – Saturday November 12, 12 pm
Sophomore (30-59 hrs)	Monday, November 14, 8 am – Saturday November 19, 12 pm
Current Freshmen (29 credit hours or less on transcript)	Monday, November 21, 8 am – Wednesday, November 23, 12 midnight <b>AND</b> Monday, November 28 – Tuesday November 29.
OPEN to all	Wednesday, November 30 – Monday, Jan 16, 2012

Nancy

**IMPORTANT NOTICE ABOUT THIS NEWSLETTER**

This newsletter will now be used as the primary information source for current and upcoming events, announcements, awards, grant opportunities, and other happenings in our department and around campus. Active links to additional information will be provided as needed. Individual email announcements will no longer be sent unless the content is time-sensitive. We will continue to include our publications, presentations and other recent news items as well. Those using paper copies of the newsletter should go to our newsletter archive on the EAS website at [www.purdue.edu/eas/](http://www.purdue.edu/eas/) and **Click on News** to access active links as needed. Material for inclusion in the newsletter should be submitted to Gina Richey ([grichey@purdue.edu](mailto:grichey@purdue.edu)) by **Friday noon** of each week for inclusion in the Monday issue. **If it is in the newsletter, we assume you know about it and no other reminders are needed.**

For answers to common technology questions and the latest updates from the EAS Technology Support staff, please visit [http://www.purdue.edu/eas/info\\_tech/index.php](http://www.purdue.edu/eas/info_tech/index.php).

Also, as an additional resource for information about departmental events, seminars, deadlines, etc., see our departmental calendar at <http://calendar.science.purdue.edu/eas/seminars>.





## CSol Prestige Lecture Series – Spring 2011

Center for Science of Information



Luciano Floridi

Fellow, Saint Cross College, University of Oxford

*“The Philosophy of Information”*

Monday October 31, 2011

2:00 – 3:00 p.m. in LWSN 1142

**Abstract:** The information society has its scientific roots in the invention of writing, but it became a reality only thanks to the enormous military funding available during WWII and the Cold War. Its development acquired its momentum in the seventies, when PCs started to be sold like ordinary commodities, but it finally became a macroscopic phenomenon only at the end of the eighties, when the Internet and then the Web began to transform computers into terminals. This explains why philosophers have just recently begun to address the new intellectual challenges that arise from the world of information. The result of their investigations has been the emergence of a new and vitally important area of research, what I have defined the philosophy of information (PI). In this talk, I shall present the foundations of PI, its methods and challenges, and look at what lies ahead.

**Bio:** Luciano Floridi is a Professor of Philosophy at the University of Hertfordshire - where he holds the Research Chair in Philosophy of Information and the UNESCO Chair in Information and Computer Ethics - and Fellow of St Cross College, University of Oxford, where he is the founder and director of the IEG, Oxford University interdepartmental research group on the philosophy of information.



# 2011-12 Prestige Lecture Series on Science of Information

## *"The Philosophy of Information"*

Dr. Luciano Floridi  
Department of Philosophy  
University of Hertfordshire  
Fellow of St. Cross College  
Oxford University



Monday October 31st, 2011  
2:00pm - 3:00pm  
LWSN 1142  
Purdue University

## *"The Geometry of Time Encoding Machines"*



Dr. Aurel A. Lazar  
Dept. of Electrical Engineering  
Columbia University

Monday November 7th, 2011  
2:00pm - 3:00pm  
LWSN 3102  
Purdue University

## *"Systems Biology and Information"*

Dr. Leroy Hood  
President, Co-Founder  
Institute for Systems Biology



Monday April 2nd, 2012  
3:00pm - 4:00pm  
LWSN 1142  
Purdue University



**Center for  
Science of Information**  
NSF Science & Technology Center

[soihub.org](http://soihub.org)





# 2011 National Weather Service Road Show at Purdue University

*Sponsored by: The Purdue University Meteorological Association*



**Tuesday, November 8<sup>th</sup>, 2011 4:00 pm CIVL 2201**

**Dinner afterwards on behalf of the EAS Department**

Personnel from regional National Weather Service offices will come to Purdue to discuss:

- Student Opportunities within the NWS
- Making the perfect résumé
- Preparing for an interview
- Case studies
- Weather Jeopardy
- And more! The Sky is the Limit!

We encourage ALL Atmospheric Sciences students to attend the annual road show, even if you have different career paths in mind. This gives all students the chance to network with professionals within our own field, some of whom have graduated from Purdue!

The event will start promptly at 4 pm, but if you have class during that time, you are welcome to arrive fashionably late. If you cannot make it to the presentations, you are still welcome to come to the networking dinner afterwards. Please email Juan Crespo at [crespo@purdue.edu](mailto:crespo@purdue.edu) by **OCTOBER 31<sup>ST</sup> BY 11:59 PM EDT** with your first and last name, as well as your class (freshman, sophomore, etc.) to RSVP for the dinner. Dinner will be provided by the EAS Department.

Dress to impress! Former students have received volunteer positions and even job interviews just from networking at the NWS Road Show.

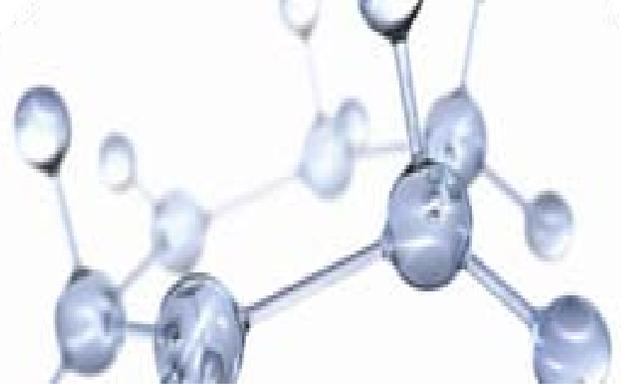
# Purdue University

Department of Earth and Atmospheric Science

November 14-15, 2011

Recruiter: Bob Stewart

ExxonMobil Geoscience



ExxonMobil will interview students interested in petroleum geoscience-related careers in these areas:

**Exploration**

**Development**

**Production**

**Geophysics Specialties**

**Research**

Applicants are required to fill out an online application and post a copy of their resume on our website one week prior to interviewing with our campus recruiter. **We do not accept hard copy applications.** Copies of transcripts should also be posted on the website or brought to the interview. At this stage of the process, "unofficial" school versions of transcripts will be accepted as attachments to the online submittal. The ExxonMobil website is [www.exxonmobil.com/apply](http://www.exxonmobil.com/apply).

The time and location of the orientation will be designated by the Department.

### **Candidates for Regular Employment:**

For those interested in careers in Exploration, Development and/or Production, we will be interviewing graduate students receiving a MS or a PhD degree in Geology or Geophysics. For those interested in careers in Research, we will be interviewing graduate students receiving a PhD degree and post-doctoral fellows in the following areas: Geology, Geophysics, Math, Electrical Engineering, Physics and Computer Science.

### **Candidates for Internships:**

We are very interested in interviewing students who meet the following requirements:

- Will be completing their MS or PhD degree program within one year (two years for PhD) after their internship.
- Ability to work approximately three months.

Internships are available throughout the year. Although we will give preference to those students graduating in 2012 or 2013, we will be happy to discuss career opportunities with other students as the interview schedule permits.

### **ELIGIBILITY INFORMATION APPLICABLE TO CANDIDATES FOR REGULAR AND INTERNSHIP EMPLOYMENT**

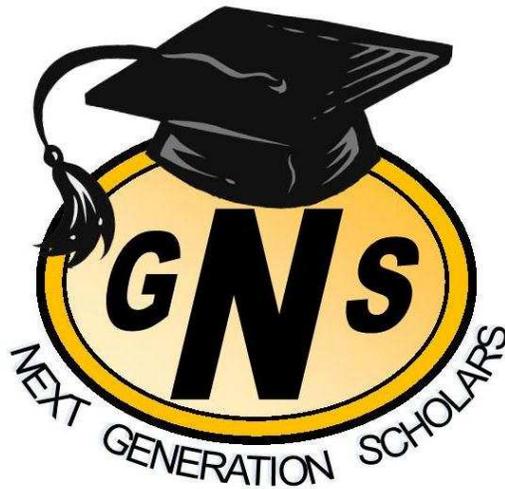
Applicants for regular U.S. positions must be a U.S. citizen or national, or an alien admitted as permanent resident, refugee, asylee, or temporary resident under 8 USC 1160(a) or 1255a(a)(1). Individuals with temporary visas such as F-1, H-1, H-2, L, B, or J, or who need sponsorship for work authorization now or in the future, are not eligible. ExxonMobil makes a limited number of exceptions to the above criteria (i.e., we may provide visa sponsorship) for applicants with a M.S. and/or a Ph.D. degree in certain research or geophysical specialty disciplines. If you fit these criteria and are interested, please utilize the [www.exxonmobil.com/apply](http://www.exxonmobil.com/apply) website for your application submittal and/or ask one of our campus recruiters for specific details.

Applicants for internship must have the legal right to work in the U.S. during the period of the internship. If you are interested in regular U.S. employment after your internship, you must be able to meet the regular U.S. hiring criteria at the time of regular U.S. hiring.

Individuals who have authorization to work in countries where ExxonMobil has geoscience staff such as Angola, Nigeria, Europe, Malaysia, Indonesia, Russia, and the Middle Eastern countries, may be considered for employment by our affiliates in these locations and should sign up to interview for such employment. Students currently attending school in the U.S. who have authority to work in one of the above countries and are interested in these opportunities should utilize the [www.exxonmobil.com/apply](http://www.exxonmobil.com/apply) website.

**EXXONMOBIL IS AN EQUAL OPPORTUNITY EMPLOYER**

The Purdue Graduate Student Government Presents:  
*The 2<sup>nd</sup> Annual*  
**Next Generation Scholars Research Fair**  
*In Partnership with Lafayette-Tecumseh Junior High School*



Friday, December 9<sup>th</sup>, 2011  
Discovery Learning Research Center

**REGISTRATION DEADLINE: Monday, November 14th**

*This research fair features on-campus poster presentations to an audience of 7<sup>th</sup> and 8<sup>th</sup> grade students. The junior high students will see quality research presentations representing the wide range of research being conducted by graduate students at Purdue University, and the graduate students will have the opportunity to improve their presentation skills by presenting their research to a unique audience.*

All Purdue Graduate Students are Invited to Participate

**Requirements:**

- 250 word research abstract
- Availability on December 9
- Create a poster
- Registration online at:

[www.purdue.edu/pgsg](http://www.purdue.edu/pgsg)

**Benefits:**

- Professional development
- Community engagement
- Free poster printing
- Free lunch and social
- Take-away gift

