From the Dean

I hope that you all had a good Memorial Day. The start of summer is a very busy time of the year in the College of Science. We are already thinking about the fall as we plan events and festivities to welcome the incoming freshmen.

We are delighted to have over 170 Trustee and Presidential scholars in this year’s incoming freshman class. The College of Science’s Day on Campus orientation for new freshmen is from June 10–July 2. Registration for 1,100 students and their families will be held in the Commons area of the Lawson Computer Science building. During their day on campus, students will meet with advisers, register for classes, take placement tests, set up accounts, and more so that they can hit the ground running when classes start. Please visit the Day on Campus website for more information.

The revised undergraduate curriculum is entering into its second year. The outcomes-based curriculum equips students with valuable educational experiences and skills necessary to be successful in a variety of careers. The Science Teambuilding and Leadership Institute (STALI) is a program that provides “hands-on” learning experiences to support the curriculum, with an emphasis on teambuilding and leadership. Please contact Associate Dean for Undergraduate Education Chris Sahley at rdfrench@purdue.edu for more information.

In this issue you will read about several noteworthy events in the College. One big announcement was that Jue Chen, assistant professor in biological sciences, has been appointed to the prestigious position as a Howard Hughes Medical Institute investigator. Another big event is the June 18 launch for the Center for Analytical Instrumentation Design (CAID), an exciting multi-institutional collaboration led by a Purdue team, including chemistry distinguished professors R. Graham Cooks and Fred Regnier.

We invite alumni and friends in the Indianapolis area to join us this weekend on Sunday, June 1, 2–4 p.m. for a “Meet the Dean” event. Ernie Agee, professor of earth and atmospheric sciences, will join the group to add his expertise about extreme weather phenomena, including the recent earthquakes and tornadoes. For more information, contact Bente Fein, director of advancement, at bfein@purdue.edu, (765) 427-5856.

All the best,
**SCIENCE PEOPLE**

**Biological sciences professor receives high honor**

Jue Chen, assistant professor of biological sciences, has been named a Howard Hughes Medical Institute investigator. Chen will receive $1.5 million a year for at least the next five years to support her research into the inner workings of cells. [Full story.]

**University Faculty Scholars named**

Five faculty in the College of Science have recently been appointed as University Faculty Scholars in recognition of accelerated academic distinction:

- Alexander Wei, associate professor of chemistry
- Suresh Jagannathan, professor of computer science
- Mahdi Abu-Omar, associate professor of chemistry
- Daoguo Zhou, assistant professor of biological sciences
- Fuqiang Wang, associate professor of physics

**Statistics professor receives NSF CAREER Award**

Guy Lebanon, assistant professor of statistics and electrical and computer engineering, received a National Science Foundation Faculty Early Career Development (CAREER) Award in recognition of his work on multiresolution representations of documents.

**Outstanding students and faculty honored at reception**

The College of Science hosted its annual Honors Reception on April 13 following the University Honors Convocation. Students were recognized for academic achievement and co-curricular involvement. Faculty were honored for their teaching contributions and impact on science majors.

**Computer science wins big at 2008 Mira Awards**

The Purdue Serious Games team, led by Christoph Hoffmann, professor of computer science, director of the Rosen Center for Advanced Computing, and co-director of the PLM Center of Excellence, along with colleagues Gary Bertoline and Beverly Sypher, won TechPoint's MIRA Award for Educational Contributions to Technology at the 2008 Mira Awards ceremony. [Full story.]

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Professor talks security on the Hill
Eugene H. Spafford, professor of computer science and director of the Center for Education in Information Assurance and Security (CERIAS), gave cautionary testimony at a Congressional hearing on employment verification systems. Full story.

Tornadoes and thunderstorms featured on Forecast Earth
Jeff Trapp, associate professor of earth and atmospheric sciences, discussed severe weather and climate change on the Weather Channel's Forecast Earth. Video link.

CIC honors computer science professor
Ahmed K. Elmagarmid, professor of computer science and director of the Cyber Center, has completed the Committee on Institutional Cooperation's (CIC) educational leadership training program. Elmagarmid was recognized as a CIC Fellow at the Academic Leadership Program Awards luncheon. Full story.

Mathematics lecturer receives award for online course development
Devilyna Nichols, continuing lecturer in the Department of Mathematics, received the Distance Ed Incentive Award from ITaP's Teaching and Learning Technologies' Instructional Development Center (IDC). Full story.

Graduates urged to reach for the stars
College of Science graduates were among the more than 5,900 encouraged to reach for the stars by Purdue President France A. Córdova during commencement ceremonies on May 11. Full story.

SCIENCE NEWS
NIH funds $25 million to translate research into better health
College of Science researchers George McCabe, professor of statistics and associate dean for academic affairs, and Richard Kuhn, professor and head of biological sciences and Glen Edna Mann Director of Bindley Bioscience Center, are part of the newly created Indiana Clinical and Translational Sciences Institute (CTSI) that will facilitate the conduct of translational research at Purdue and Indiana University. Full story.
received $25 million from the National Institutes of Health. Full story.

**Symposium to launch Center for Analytical Instrumentation Design**

College of Science researchers R. Graham Cooks, the Henry Bohn Hass Distinguished Professor of Chemistry, and Fred Regnier, the John H. Law Distinguished Professor of Chemistry, are part of the Purdue team organizing a symposium on June 18 to mark the launch of the **Center for Analytical Instrumentation Design** (CAID). The symposium's keynote speaker is Purdue alumnus C.N.R. Rao, chemistry professor and researcher and chairman of the Science Advisory Council to the Prime Minister in India. Full story.

**CERIAS partners with FBI**

Purdue's **Center for Education in Information Assurance and Security** (CERIAS) will work with the FBI Indianapolis division's Cyber Crime Task Force on special projects, provide consultation on emerging technologies, and offer training for officers. Full story.

**Purdue's EcoliHub up and running**

The **EcoliHub** project, led by Barry Wanner, professor of biological sciences, is a unique central online source of information about the bacteria *Escherichia coli*. Full story.

**The World Bank funds climate project**

Researchers Noah Diffenbaugh, assistant professor of earth and atmospheric sciences, and Thomas Hertel, Distinguished Professor of Agriculture and executive director, **Center for Global Trade Analysis**, are lead investigators of an international team that were awarded $500,000 from the World Bank to fund a climate variability project.

**No "wining" about the weather**

Earth and atmospheric sciences professor Noah Diffenbaugh's research on the predicted effect of climate change on the wine industry was featured on the **Weather Channel's Forecast Earth**. Video link.

**Nine-year-old meets her idol**

Eve Axelrod didn't hesitate when her mother asked her what she would like to do for their "girls' weekend." The Elan Vitale Montessori School student said she wanted to "meet Jane Goodall" so the Louisiana pair traveled to West Lafayette do just that. Full story.

**SCIENCE ALUMNI SPOTLIGHT**

Chemistry alum awarded honorary doctorate

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doctorate during the commencement ceremonies on May 11 for his accomplishments and distinguished career in the pharmaceutical industry. Full story.

**SPOTLIGHT ON NEW STAFF**

**Lynne Horngren, director of academic advising**
Lynne Horngren was appointed director of academic advising for the College of Science. She was most recently a training specialist with the Purdue Affirmative Action Office. Horngren earned her bachelor of science in psychology from the University of Wisconsin-River Falls and her master of arts in counseling from Eastern New Mexico University.

**Isaac Vetter, data architect and administrator**
Isaac Vetter was appointed data architect and administrator for the College of Science. Vetter was previously at the Department of Mathematics where he developed databases, data, and Web applications. He earned his bachelor of science in computer science from Centre College in Danville, Kentucky.

**SCIENCE STUDENTS**

**New science student takes first prize**
Russell Conard, senior at Harrison High School in West Lafayette, took first place in biochemistry at the Intel International Science and Engineering Fair in Atlanta. Conard does research with earth and atmospheric sciences professor Tim Filley. Full story.

**PURDUE NEWS**

Purdue selects next VP for research
Purdue administrators work to incorporate diversity across campus
Purdue group modifies machine to help feed Africans
German university, business school enters into Purdue partnership
Method uses 'Bluetooth' to track travel time for vehicles, pedestrians
Each edition of the *Research Review* contains a monthly listing of the projects that have been funded at Purdue University. Between 100 and 150 awards (resulting from proposals) are awarded each month, many from the College of Science. The *Research Review* announces the awards to give recognition to these faculty achievements and to inform readers about the different kinds of research, teaching, and service projects that are conducted at Purdue.

To view research grant announcements:  [http://www.purdue.edu/Research/vpr/publications/researchreview.shtml](http://www.purdue.edu/Research/vpr/publications/researchreview.shtml)

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**SCIENCE EVENTS CALENDAR**

**June 1, 2:00–4:00 p.m.: Meet the Dean, Indianapolis, IN.** For more information, contact John Fisher, director of alumni relations and special events: jrfisher@purdue.edu, 765-494-0586 or 765-430-6230, or Bente Fein, director of advancement: bfein@purdue.edu, 765-427-5856 or 765-494-2535.

**June 3: Science Women of Purdue, Denver, CO.** Presentation by Hilkka Kenttämaa, professor of chemistry, Purdue University. For more information contact John Fisher, director of alumni relations and special events: jrfisher@purdue.edu, 765-494-0586 or 765-430-6230.

**June 9, 9:00–11:30 a.m.: Strategic planning steering committee meeting, LWSN 3102 A&B.** For more information, contact Lisa Robertson, director of strategic relations: lrobertson@purdue.edu, 765-494-4344 or 765-494-9517.

**June 10–July 2: College of Science Day on Campus 2008** for incoming students and their parents. More information.

**June 15–18: Computer Science Summer Camp, LWSN.** Beginner's camp for students entering grades 6, 7, or 8 in fall 2008. More information and registration.

**June 17–18: Conference to Highlight Wind's Economic Potential in the State, Indianapolis, IN.** The benefits of establishing wind farms will be among topics covered during WIndiana 2008, a conference on wind energy. Sponsored by the Indiana Office of Energy and Defense Development and the Energy Center at Purdue University's Discovery Park, the conference will raise awareness of opportunities for wind power in Indiana. More information.

**June 18, 9:00 a.m.–5:00 p.m.: Center for Analytical Instrumentation Design launch symposium, MRGN 121.** The symposium is free and open to the public. More information and registration.

**June 18, 11:00 a.m.: Centennial Distinguished Lecture Series, MRGN 141.** Professor C.N.R. Rao, Jawaharlal Nehru Centre, Bangalore, India. More information.

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June 18, 7:00 p.m.: Professor Fred Lytle retirement dinner, Riehle Plaza, Lafayette. More information and reservations.

June 18–21: Computer Science Summer Camp, LWSN. Advanced camp for students entering grades 7, 8, or 9 in fall 2008. More information and registration.

June 21: Purdue Day, Chicago, IL. For more information, contact the Special Events Office: events@purdue.edu, 800-213-3044 or 765-494-0900.

June 23, 2:30–5:00 p.m.: Strategic planning steering committee meeting, LWSN 3102 A&B. For more information, contact Lisa Robertson, director of strategic relations: lrobertson@purdue.edu, 765-494-4344 or 765-494-9517.

Oct. 15–17: Science Journalism Laureates. The annual program returns for a third year to honor the important role that science and technology journalists and communicators play. For more information, contact John Fisher, director of alumni relations and special events: jrfisher@purdue.edu, 765-494-0586.

Share your memories! If you have a favorite story or memory from your College of Science experience, we'd like to share it with others.

Are you interested in leaving a lasting legacy for future students or faculty at Purdue? If so, please visit our planned giving home page.

College of Science Seminar Calendar

Alumni and Friends

Purdue Events