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Health Hazard
• Carcinogen
• Mutagenicity
• Reproductive Toxicity
• Respiratory Sensitizer
• Target Organ Toxicity
• Aspiration Toxicity

Exothermic
• Explosives
• Self-Reactives
• Organic Peroxides

Corrosion
• Skin Corrosion/ Burns
• Eye Damage
• Corrosive to Metals

Flame
• Flammables
• Pyrophorics
• Self-Heating
• Self-Reacting
• Emit Flammable Gas
• Organic Peroxides

Exploding
• Explosives
• Self-Reactives
• Organic Peroxides

Skull and Crossbones
• Acute Toxicity (Fatal or toxic)

Exclamation Mark
• Irritant (skin and eye)
• Skin Sensitizer
• Acute Toxicity
• Narcotic Effects

Gas Cylinder
• Gases Under Pressure

Flame Over Circle
• Oxidizers

Meet our staff

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Research—kstate.engr
Grad program—kstate_engrgrad

Don’t forget:
The fall 2015 undergraduate poster forum will be Oct. 3. Registration will open via the ERGP website on Oct. 1. Please encourage your undergraduate researchers to participate.

Upcoming events

10/1 — NAE Lecture, Electrical Grid — Trends and Innovation
Fiedler Auditorium, 3:30-4:30 p.m.

10/5 — Spark Week (undergraduate research and creative inquiry awareness week)
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For more information about these events, visit engg.k-state.edu/ergp/events

Resources for Ph.D. student recruitment

I have enjoyed the opportunity to visit with many departments so far this semester to discuss how the Engineering Office of Research & Graduate Programs (ERGP) is supporting faculty and staff in various areas. The feedback and suggestions have been excellent. One of our discussion topics has been increasing Ph.D. applicants and enrolled students. I wanted to make you aware of some resources that you can use to help recruit Ph.D. students.

Publicity Materials — Traveling abroad or to another US campus and want to promote K-State engineering graduate programs? Each department is developing a one page promotional brochure for graduate students that will be ready by Oct 1. Our office can print these for you or provide them on a USB for you to share at conferences, university presentations and other venues.

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Websites — Last year ERGP updated our future graduate student website to include a broader overview of activities in the College of Engineering, on campus and in Manhattan. You can share this link with prospective graduate students to help them get an overview of opportunities in K-State Engineering (http://www.engg.ksu.edu/ergp/grad-program/future/whyKStEngg.html). We are also asking each department to revise their research and graduate programs website content to provide additional information to graduate school candidates on research strengths, research support, recent publications, and funding opportunities. Our college-level web support staff will assist in the updates.

Recruitment Plans — Each department is developing a recruitment plan for October, November and December that will involve faculty, staff and graduate students reaching out and communicating with prospective graduate students. Find out how you can help.

Money, Money, Money — We currently have several scholarships/fellowships for graduate students including the Jung (students from China or Taiwan) and Angold (students in transportation) programs (http://www.engg.ksu.edu/ergp/grad-program/current/funding.html). Dean Dawson and our engineering foundation staff are continuing to reach out to alumni and friends about supporting research and graduate programs.

So these are a few tools in your Ph.D. student recruitment toolbox. Thank you for your help in promoting K-State. If my office can help in any way, please email us at ERGP@ksu.edu.

ERGP Newsletter October 1, 2015

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McGregor’s inventions have brought the university $22 million in
R&D Magazine recognized Douglas McGregor, University Distinguished Professor of mechanical and
nuclear engineering, and his research team with a 2014 R&D 100 Award. This is the third R&D 100 award
for McGregor and his team. The award recognizes the
year’s 100 most significant high-technology new
products. The university-developed lithium-based
neutron detector, called the Li-foil Neutron Detector, can be used for medical imaging, national security,
scientific research, oil well logging and the automotive industry.
“We are honored to receive this international recognition for the
collaborative efforts of students, faculty and researchers on our team,”
McGregor said. “All of the members of our team have worked very hard to
advance this technology and take it to a whole new level. We continue to
improve it and develop newer models.”
McGregor’s research group has developed numerous variations of
neutron detectors, which range in size from miniature and compact portable devices to large detectors for portal monitors. He also has
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The Kansas State University TRIGA MkII nuclear reactor is used to
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McGregor's inventions have brought the university $22 million in extramural research awards from organizations such as the Department of Defense and the Department of Energy. He also has received $1.5 million in internal university awards. McGregor’s lab holds 15 patents and has educated more than 100 students since his arrival at K-State in 1998.

William Dunn, professor and department head of Nuclear and Mechanical Engineering, is part of a National Nuclear Security Administration’s (NNSA) Office of Defense Nuclear Nonproliferation Research and Development consortium grant. The $25 million consortium grant, awarded to North Carolina State University in 2014, funds research and development in enabling capabilities for nonproliferation. The grant, “Proposal for a Consortium for Nonproliferation-Enabling Capabilities,” has recently received the second year of funding with the anticipated total funding for K-State of more than $1.4 million. Mechanical and nuclear engineering co-PIs include J.K. Shultis, professor and Philip Ugorewski, instructor and assistant research professor.

The NNSA press release described the project as providing the U.S. government with cutting-edge research and development to identify and address multi-disciplinary and cross-functional detection threats to the national security. The detection system is focused on detecting foreign nuclear weapon proliferation activities. Specifically, the research projects pursued by the consortium are focused on utilizing the fusion of TRIGA neutron energy and TRIGA neutron-free energy to better characterize and detect special nuclear materials. “We are honored to receive this international recognition for the collaborative efforts of students, faculty and researchers on our team,” McGregor said. “All of the members of our team have worked very hard to advance this technology and take it to a whole new level. We continue to improve it and develop newer models.”

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Nuclear engineering professors making significant strides in research and development

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Who’s who among new engineering untenured faculty

Research highlight

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Engineers celebrates first annual Research Administrator Day

The College of Engineering celebrated National Research Administrator Day with a morning reception and continental breakfast in the Engineering Research and Graduate Program’s office for the college research staff and university central research administrators from the offices of the Vice President for Research, Pre-Awards Services, Research and Sponsored Programs, and Sponsored Programs Accounting.

National Research Administrator Day was submitted by National Council of University Research Administrators in August of 2015. The registrar at National Day Calendar proclaimed National Research Administrator Day to be observed annually on Sept. 25. This is a day to recognize contributions made by administrators every day. Research administrators and managers serve an important role in supporting research. They serve the faculty and researchers, protect the institution or organization, and assure sound stewardship of sponsored research dollars. Research administration is found in many types of organizations around the world. It’s in higher education from liberal arts colleges to research universities, health and medical institutions, research institutions, federal and both for profit and non-profit organizations.

Addition to Global Campus administration

Duane Dunn has been named associate dean and director for academic and professional programs at Kansas State University Global Campus. “Dr. Dunn brings an understanding of workforce needs and a thorough knowledge of the Kansas higher education system,” said Sue Maes, dean of K-State Global Campus. “I look forward to working with him to expand the strategic vision of K-State Global Campus.”

The associate dean will provide leadership to the administration and faculty and central administration for the college’s research staff and central research administrators from the offices of the Vice President for Research, Pre-Awards Services, Research and Sponsored Programs, and Sponsored Programs Accounting.

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Campus highlight

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Dunn earned his doctorate in educational administration and his Master of Science and Bachelor of Science degrees in agricultural education all from Kansas State University. He earned an associate’s degree in business education from Colby Community College.

Dunn joined the K-State Global Campus staff in June.
Exclamation Mark
Skull and Crossbones

• Acute Toxicity (fatal)

October 1, 2015

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Ergp Newsletter

October 1, 2015

Did you know?

Seven faculty members from the College of Engineering were recognized at the fall 2015 convocation with the first annual Proposal Teamwork and Professionalism Award. Together, PreAward Services and ERGP selected those faculty members for their professionalism and consideration in teaming with the PreAward Services staff in ways that allowed for value-added proposal submissions, resulting in higher quality and more competitive proposal submissions. Congratulations to the following recipients: Steve Eckels, Jim Edgar, Bill Kuhn, Punit Prakash, Gurpreet Singh, Keith Hohn, and Caterina Scoglio.

University of Kansas Library

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