



College of  
Science  
Department of Physics  
& Astronomy

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## Weekly Calendar

April 25 – April 30, 2016

### Departmental Colloquium

**"Beyond Publishing Papers. The Challenges and Rewards of Launching and Running A High-Tech Startup: A Personal Perspective"**

**3:30 PM Thursday, April 28, 2016**

**Digital Media Center Theatre**

**Manuel Tiglio  
University of California San Diego and FASTech**

**Host: Jorge Pullin**

• Refreshments served at 3:00 PM in **Digital Media Center Theatre** •

I will provide a summary, as practitioner, of the links between academia and high-tech startups, including the different approaches to found a startup or think about it: seed funding, incubators, different business models, how to protect your IP, federal and local sources of funding for small businesses, accounting, statistical data on success rates and such. Emphasis will be placed on the critical role of university policies to foster an environment on which such enterprises are encouraged and an infrastructure is in place, especially for students (undergrad and graduate ones) and young researchers, but also faculty. Such environments critically define the geographic areas where startups flourish. Agencies such as NSF have new programs promoting universities to serve as hubs for such initiatives.

I will also share some of my own experiences about launching and running a startup while remaining active in academia.

Disclaimer: none of my opinions necessarily reflect those of FASTech as a company or UCSD, or any of their funding sources.

# LSU Physics & Astronomy in the News

- The U.S. Department of Energy National Nuclear Security Administration (DOE NNSA) has awarded LSU's second year PhD student **Erin Good** with a Stewardship Science Graduate Fellowship. Recognizing an ever-increasing demand for scientists highly trained in areas of interest to stewardship science, the DOE NNSA founded the SSGF in 2006. The highly competitive DOE NNSA SSGF selected only seven fellows this year. In addition to an enhanced stipend and covering university tuition and fees, the fellowship experience also allows Good to perform a three-month practicum at one of four DOE national defense laboratories with the aim of developing the nation's nuclear workforce. [Read more](#)
- There are 2 other news items that were published regarding medical physics & 3D technology.
  - The 3-D printer project is one of several collaborative projects between oncologists at [Mary Bird Perkins - Our Lady of the Lake Cancer Center](#) and LSU's medical physics program in [LSU Department of Physics and Astronomy](#). The resources of both programs augment the other, creating a symbiotic relationship.
  - Mary Bird Perkins and LSU have become national leaders in the use of 3-D printers to fight cancer. <https://www.businessreport.com/business/mary-bird-perkins-lsu-become-national-leaders-use-3-d-printers-fight-cancer>

## Announcement

- The Department's Awards Ceremony will be held Monday, April 25, at 3:30 in room 435 Nicholson Hall. Please come and congratulate this year's award winners.
- The Department crawfish boil will be held on Friday, May 6 at noon on the Quad, outside Nicholson Hall. Cost will be \$5 for students, \$8 for staff, and \$10 for faculty. Please RSVP and pay Shanan Schatzle in the department office, room 202 Nicholson Hall.

# SATURDAY SCIENCE

AT LOUISIANA STATE UNIVERSITY

## Using Space Robots to do Science in Antarctica



A public lecture by

**Dr. Peter Doran**

LSU Department of  
Geology and Geophysics



**April 30, 2016, 10-11:00 a.m.**

Room 130 Nicholson Hall, LSU

[LSUSaturdayScience@gmail.com](mailto:LSUSaturdayScience@gmail.com)

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## Radiation Oncology Seminar

Sponsored by  
Medical Physics Group

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**Speaker:** Steve Lokitz, PhD  
Director, Imaging Sciences  
Center for Molecular Imaging and Therapy Biomedical Research  
Foundation of Northwest Louisiana  
Shreveport, LA

**Seminar Title:** A Day in the Life of a PET Physicist

**Date:** Friday, April 29, 2016

**Time:** 12:30 – 1:30 PM

**Location:** Louisiana State University  
435 Nicholson Hall

**Host:** Wayne Newhauser, Ph.D.,  
Professor and Director  
LSU Medical Physics and Health Physics Program

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**Abstract:** PET physicists are a relatively small subset of medical physicists who participate in many different disciplines such as nuclear medicine imaging (PET), diagnostic imaging (CT), radiopharmaceuticals, IT (PACS/DICOM), health physics, and research. As there are usually only a few PET physicists at any one institution, such a physicist may be tasked to work in many of these areas. This is both rewarding and challenging. This seminar will discuss the clinical relevance of a PET physicist as well as present some examples of research in which PET physicists are involved.

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