

[Note: Because of the Thanksgiving holiday, there will be a SCOPE on Wednesday instead of Thursday. The SCOPE after that appears on Monday, Dec. 1.]

## December 06, 2008

### Monday, November 24

**Master's Thesis Defense:** noon, Workman 205. Michael J. Smith, a graduate student in electrical engineering, defends his master's thesis "Estimation with Event Detection and Location in Electric Power Systems using Constrained Optimization."

**GSA Meeting:** 12:15 p.m., Tripp Room, Skeen Library. The Graduate Student Association represents graduate student interests on campus. Please attend with your questions or concerns about graduate student issues. Please talk with your department about becoming an official representative. Lunch provided.

**Master's Thesis Defense:** 1:30 p.m., Workman 205. Amit B. Patel, a graduate student in electrical engineering, defends his master's thesis "Parameter Estimation for Load Inventory Models in Electric Power Systems."

**Dissertation Defense:** 3 p.m., Workman 109. Gaopeng Lu, graduate student in physics defends his dissertation "Analysis of Charge Transfer in Intracloud Lightning using a Time-Dependent Multi-Dipole Model"

**Biology Seminar:** 4 p.m., MSEC 105. Dr. Vannetta Perry, Project Director, Socorro Consolidated Schools, will be speaking on "The Brazilian Experience: Learning Adventures into the Brazilian Pantanal and the Amazonas" chronicling her travels and speaking on the upcoming learning experience.

**Air Rifle Practice:** 5:30 - 7 p.m., Gym Basement. Air rifles, pellets and targets will be provided.

### Tuesday, November 25

**Dissertation Defense:** 2:30 p.m. Jones 106. Aniruddha Kulkarni, graduate student in materials engineering, defends his Ph.D. dissertation, "Nanocomposite (Heterogeneously doped) thin film ion conductor electrolytes for Solid Oxide Fuel Cells."

**Biology and MST Seminar:** 4 p.m., MSEC 101. Jeffrey Bogzevitz, graduate student in Master of Science for Teachers, presents his independent study

project "A Cold May Only Last Two Days but Herpes is for Life: a mini-review of the significance of dsRNA in viral infection." Public invited.

**Advanced Python Applications:** 4 p.m., Speare 116. Open discussion of Python programming tools and methods. Free.

**Programming with Python:** 5:30 p.m., MSEC 187. Introduction to programming in the Python language. Free class. Today: Numeric and scientific packages

## **Wednesday, November 26**

**General Election for Student Senate:** Fidel Center. Students, be sure to vote for SA senators!

**Materials 467 Seminar:** 2 p.m., Jones 106. Dr. A. D. Romig, Jr. Executive Vice President and Deputy Laboratories Director, Integrated Technologies and systems, Sandia National Laboratories, speaks on "Nanotech and the Terawatt Challenge."

**Programming with Python:** 4 p.m., Speare 116. Introduction to programming in the Python language. Free class. Today: Numeric and scientific packages

**Advanced Python Applications:** 5:30-6:20 p.m., Speare 116. Open discussion of Python programming tools and methods. Free.

## **Thursday, November 27**

**Academic and Staff Holiday**

## **Friday, November 28**

**Academic and Staff Holiday**

## **Monday, December 1**

**Registration for Spring 2009:** Beginning today, graduate students and Tech Scholars may register online at banweb or in person at the Registrar's Office, 2nd floor of Fidel.

**Biology Seminar:** 4 p.m., MSEC 105. Dr. Michaelann Tartis, NMT department of chemical engineering, speaks on "Targeted Drug Delivery with Ultrasound," a novel method for combining ultrasound energy, ultrasound contrast agents, and molecular imaging strategies to achieve the design of an effective drug delivery strategy.

**Air Rifle Practice:** 5:30 - 7 p.m., Gym Basement. Air rifles, pellets and targets will be provided.

## **Tuesday, December 2**

**Registration for Spring 2009:** Beginning today, seniors may register online at banweb or in person at the Registrar's Office, 2nd floor of Fidel.

**Management Department Independent Study:** 2 p.m., Speare 102. Elmira Israilova presents her directed study, "Best Practices for the Rate Calculation Process for Rental Fleets at U.S. Universities."

**Faculty Senate Meeting:** 4 p.m., Workman 101.

**Advanced Python Applications:** 4 p.m., Speare 116. Open discussion of Python programming tools and methods. Free.

**Programming with Python:** 5:30 p.m., MSEC 187. Introduction to programming in the Python language. Free class. Today: The Tkinter graphical user interface, part I

## **Wednesday, December 3**

**Registration for Spring 2009:** Beginning today, juniors may register online at banweb or in person at the Registrar's Office, 2nd floor of Fidel.

**HR Training: 1099 Seminar:** 1:30 to 3:30 p.m., Tripp Room, Skeen Library. Barbara Sanchez will discuss regulations for contracting with independent contractors. To enroll, please call Human Resources.

**Master's Thesis Defense:** 2 p.m., MSEC 202. Jana Stankova-Pursley, a graduate student in geophysics, defends her thesis "Earthquake Apparent Stress Variation in Response to Seamount Subduction at Nicoya Peninsula, Costa Rica."

**Programming with Python:** 4 p.m., Speare 116. Introduction to programming in the Python language. Free class. Today: The Tkinter graphical user interface, part I

**Advanced Python Applications:** 5:30-6:20 p.m., Speare 116. Open discussion of Python programming tools and methods. Free.

**Miners' Ink Presents "OTF":** 7 p.m., Fidel Fire and Ice Cafe. Our Talented Friends are invited to come sing, dance, perform, recite a poem, read a short story, etc.

## Thursday, December 4

**Registration for Spring 2009:** Beginning today, sophomores may register online at banweb or in person at the Registrar's Office, 2nd floor of Fidel.

**EES-Bureau Seminar:** 4 p.m., MSEC 101. Sam Fernald of New Mexico State Univ. speaks on "Acequia System Surface-water Ground-water Interactions."

**TARA Net:** 7 p.m., 146.680 MHz (pl 100.0). Tech Amateur Radio Association welcomes all licensed amateurs to check in.

**Swing Dance:** 8 - 10 p.m., SAC. Not limited to swing dancing. If you want a special song or style please bring a CD for us to play. Open to everyone; includes short lesson, if requested. Sponsored by the New Mexico Tech Ballroom Dance Club.

## Friday, December 5

**Registration for Spring 2009:** Beginning today, freshmen may register online at banweb or in person at the Registrar's Office, 2nd floor of Fidel.

**WRC Brownbag Series:** noon, Fidel Quiet Lounge. Topic: "The Sexy Side of Tech: Varieties of Genders and Sexualities." Dress as your preferred gender and find out how useless and even harmful stereotyping can be. Sponsored by WRC (Women's Resource Center). Open to everyone.

**Chemistry Seminar:** noon, MSEC 103. NMT Senior thesis talks.

**Math Seminar:** 4 p.m., Weir 102. Brian Borchers speaks on "Calibration of Production Rates in Cosmogenic Nuclide Dating."

**Madrigal Feast:** Macey Center. (Open to NMT students.) A whole new look to Madrigal Feast! Special guests Clan Tynker, juggling and magic troupe. Madrigal singing, dancing, and fencing demonstrations. Brass ensemble. <http://www.nmt.edu/mainpage/pas/madrigal.html>

**Black Light Pool:** 7 to 11 p.m., Game Room, Fidel Center.

## **Saturday, December 6**

**Madrigal Feast:** Macey Center. A whole new look to Madrigal Feast! Special guests Clan Tynker, juggling and magic troupe. Madrigal singing, dancing, and fencing demonstrations. Brass ensemble. For Tech Club/ Club Macey, a social club for ages 21 and over. Members, \$25. Grad students, \$10. Non-members, \$30.

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## **SCOPE Notices**

### **NEWS:**

--Cave and Karst Institute Sets Ground-Breaking Ceremony,  
<http://www.nmt.edu/mainpage/news/2008/17nov01.html>

--New Research Facility to Include Unique, Built-In Bat Roost  
<http://www.nmt.edu/mainpage/news/2008/19nov01.html>

--Enrollment on the Rise at New Mexico Tech,  
<http://www.nmt.edu/mainpage/regents/08nov17.html>

### **KUDOS:**

--Congratulations to materials engineering student Joe Koby, who won 2nd place at the U.S. Department of Energy's Energy Research Challenge in Tennessee on November 10. Koby presented his research in the Environmental Science Category about the properties of sandstone and how oil might be extracted from oil-rich sandstone deposits. The sophomore from Espanola won \$1500, a nice vase and an oversized check!

### **HOUSE FOR SALE:**

--1224 Apache Drive, on Faculty Hill, is for sale. Please call Campbell M. Wade at 835-3452.

## **WINNERS OF 49ERS PARADE:**

--New Mexico Tech congratulates the winners of the 49ers Parade:

### **Grand Award: Wile E. Coyote float, R&ED**

#### **Floats**

1. Socorro Early Childhood Development
2. Capitol Bar
3. Cooney Mining Club

#### **Vehicles**

1. "Pharaohs of Fun": Judy Lovelace, Greg Miller, and Theresa Apodaca
2. Residential Life (NMT)
3. Socorro Old Car Club

#### **New Mexico Tech**

1. Materials Engineering (Snow White and Seven Dwarfs)
2. ASME (Mechanical Engineering air cannon)
3. Student and University Relations (Bugs Bunny in M Mountain)

#### **Horse or Burro**

1. NM High School Rodeo Queen
2. Socorro County 4-H Queen's Court
3. Don Tripp, Color Guard

#### **Bands**

1. Rawhide Hillbilly Band
2. Seven Dwarfs (ASME)
3. William Torres, DJ

## **TCC HOTLINE:**

--**Phishing for Passwords:** In recent weeks, hackers have sent out email claiming to represent NMT departments or US Banks and asked users to provide their passwords or have their accounts terminated. NEVER respond to such requests. No department at NMT would ever request you to email them your password.

--**Software for the Spring Semester:** TCC plans the following software

upgrades for Spring Semester. Requests for new software that are received by December 12, 2008, will be installed at no charge. Requests received after December 12, 2008, are not guaranteed to be done and will be billed to the requestor. Added software: ActiveState language (Perl, Python, Tcl); Arc GIS 9.3, Bamboo tablet drivers; EndNote 2.0.1; Firefox/Thunderbird/SeaMonkey; GNU Gimp; Google Earth; Maple 12.01; Matlab 2008b; RealPlayer SAS 9.2; Visual Studio 2008; VLC media player; XWin32.

--**WebCT version 8:** As part of Governor Richardson's eLearning initiative, NMT will make available access to WebCT version 8 (now known as Blackboard) to pioneers willing to test the system. If you would like to teach a course and use WebCT version 8, please contact the TCC by January 20, 2009, at 835-5735 to discuss your needs. Please note that the TCC still offers access to WebCT version 6 locally.

--**Encanto Supercomputer:** NMT has received an allocation of time on the new Encanto Supercomputer located in Rio Rancho. If you would like to obtain time on the supercomputer, please contact Lorie Liebrock at 835-6729 or [liebrock@cs.nmt.edu](mailto:liebrock@cs.nmt.edu).

## **FOURTH ANNUAL GINGERBREAD HOUSE CONTEST:**

--Bring your entry to Fidel Center on December 15th by 6:30 p.m. No entry fee! Win great prizes in 3 age categories: 12 and under; 13 - 17; and 18 and over.

### **Rules**

- Any architectural structure - real or imaginary is eligible for entry (i.e. house, train station, bridge, ship, lighthouse, spaceship).
- Major components (such as walls and roofs) constructed of gingerbread (not graham crackers, cookies, etc., with the exception of the category for children 12 and under).
- All parts must be edible. For example, no wire support, wrapped candies must be unwrapped; contestants may not use lollipops with paper or plastic stems etc.
- You may add electric lighting to your entry.
- Entry must have been constructed in 2008.
- Entries will be judged on originality, overall appearance, choice and use of materials and difficulty of design.
- Entry, no higher than 26" H. must be attached to a plywood base no larger than 18"x24". Base surface (but not the sides) must be concealed with an edible product.
- Limit of one prize per contestant.  
All entries must be delivered to Fidel Center between 1 pm and 6:30 pm

on December 15th ONLY. Judging will take place on Tuesday, December 17th. The entries will be on display at Fidel Center from December 15 — 19. Entries must be picked up on December 20 by 3 pm. Any entry not picked up will be donated for distribution by The StoreHouse to area families. Entries cannot be sold or raffled except for an approved charity.

### **SoLLVE VAN HAS OPENINGS:**

-SoLLVE your commuting problems. SoLLVE has openings for riders traveling between Los Lunas-Belen and Socorro. Contact mce at [kestrel.nmt.edu](mailto:kestrel.nmt.edu) for more information.

### **FLAGS IN FRONT OF FIDEL:**

--The flags in front of Fidel Center represent countries which have students attending New Mexico Tech. The U.S. and state flags fly in front of Brown Hall. Nov. 17 - Nov. 30: Peru, Philippines, Poland, Portugal, Romania, and Russia. Dec. 1 - Dec. 14: Saudi Arabia, Senegal, Singapore, Slovakia, S. Korea, and Spain.

### **FACILITIES MANAGEMENT CONSTRUCTION PROJECTS:**

- **Chiller water system upgrade:** trenching between Jones Annex and NRAO Building. Road closure on Nov 15-16.
- **Fidel Center**, landscaping on south and east sides; completion of third floor, in progress
- **Kelly Petroleum Building**, construction in progress; south entrance closed.
- **La Raj Patio**, demolition in progress; construction to be completed by Spring 2009
- **Jones Hall Reconstruction**, in progress.

### **REGISTRAR'S OFFICE:**

--If you plan to graduate in December 2008, your name and degree should appear on the list at <http://www.nmt.edu/mainpage/commencement/c2009/2008decgrads.pdf>. This is how your information will appear on your diploma. If you wish something changed, see the Registrar's Office.

--If you are not on the list and wish to be, see the Registrar's Office.

**Important Academic Dates:**

Thursday, Nov. 27: **Thanksgiving holiday**

Friday, Nov. 28: **Academic and staff holiday**

Dec. 1 - 5: **Registration for Spring 2009:** Monday, Graduate students and Tech Scholars; Tuesday, seniors; Wednesday, juniors; Thursday, sophomores; Friday, freshmen and special students. May register online at Banweb or in person at the Registrar's Office, 2nd floor of Fidel.

Friday, Dec. 12: **Last day of classes**

Saturday, Dec. 13: **Finals begin.** See schedule at <http://www.nmt.edu/mainpage/registration/2008fallfinals.pdf>

Thursday, Dec. 18: **Finals end**

Monday, Jan. 19: **Registration and Validation**

Tuesday, Jan. 20: **Classes begin**

Friday, Feb. 6: **Registration closes**

Weds., March 4: **Midsemester**

March 9 - 13: **Spring Break**

Friday, April 10: **Academic and Staff Holiday**

Friday, May 8: **Last day of classes**

Saturday, May 9: **Finals begin**

Thursday, May 14: **Finals end**

Friday, May 15: **End of semester**

Saturday, May 16: **Commencement**

--Questions concerning academic policies, degrees, grades, etc. are welcome at our office. Come by and see us.

## **JOB OPENINGS AT TECH:**

Full descriptions of job openings are available at Job Openings, <http://externalweb.nmt.edu/hr/>. New Mexico Tech is an Equal Opportunity/Affirmative Action Institution.

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***SCOPE is a twice-weekly newsletter for the New Mexico Tech community, provided as a service by the Public Information Office.*** SCOPE is generally emailed on Mondays and Thursdays during academic semesters. There is no specific deadline. Events are entered on a rolling basis as they come in.