April 17 - 28, 2008

Thursday, April 17

Registration for Summer 2008: Beginning today, sophomores may register online at Banweb or in person at the Registrar's Office.

Master's Thesis Defense: 2 p.m., Workman 101. Sabit Ekin, graduate student in electrical engineering defends his thesis "RF-Based Location Determination in Heterogeneous Sensor Networks."

"Science as a Liberal Art": 3 p.m., Tripp Room, Skeen Library. Eric Poppele, a faculty member of St. John's College in Santa Fe, speaks. Open to all. Sponsored by the Innovation! Learning Community and the Center for Innovative Teaching and Learning. Light refreshments. http://www.nmt.edu/mainpage/events/1apr02.html


Mechanical Engr. Seminar: 4:15 p.m., Weir 102. James Ruff, mechanical engineer with NRAO, speaks on "Fatigue of VLBA Antenna Axle Shafts."

Advanced Python Applications: 4 p.m., Speare 23. Open discussion of Python programming tools and methods.

Tech Amateur Radio Assn. Net: 7 p.m., 146.680MHz, pl 100. All amateur radio operators are invited to participate.

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, April 18

Registration for Summer 2008: Beginning today, freshmen and special students may register online at Banweb or in person at the Registrar's Office.

NRAO Colloquium: 11 a.m., AOC. Martha Haynes, Cornell, speaks on "HI Cosmology in the Local Universe with ALFALFA."

Chemistry Seminar: noon, Jones Annex 101. Zhi Cao of New Mexico Tech
speaks on "Arenecarboximides as Panchromatic Dyes for DSSC"

**Math Seminar:** 4 p.m., Weir 102. Justin Erwin speaks on "Estimating States in a System Modeled by Non-Linear Differential Algebraic Equations."

**Spring Formal: "Black and White":** 8 p.m. - midnight, SAC. In support of local food banks, entry fee is three cans of food per person or five cans per couple.

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**Saturday, April 19**

**Rugby Tournament:** Albuquerque. Tech Pygmies participate in the USA Collegiate Playoffs.

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**Sunday, April 20**

**Rugby Tournament:** Albuquerque. Tech Pygmies participate in the USA Collegiate Playoffs.

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**Monday, April 21**

**Registration for Fall 2008:** Beginning today, graduate students and Tech Scholars may register online at Banweb or in person at the Registrar's Office.

**Hydrology Seminar:** 3:30 p.m., MSEC 101. Patrick Longmire, Earth and Environmental Sciences Division, Los Alamos National Laboratory, speaks on "Isotope and Aqueous Chemistry Investigations of Groundwater in the Espanola Basin, New Mexico."

**Mathematics Seminar/ Thesis Defense:** 3:30 p.m., Weir 209. Chenggeng Bi, graduate student in mathematics, defends his thesis "Study of the Sabr Model in Quantitative Finance."

**Air Rifle Practice:** 5:30 p.m., Tech Gym Basement. Precision air rifles, targets and pellets provided. Free to NMT students, sponsored by Tech Shooting Sports Club.

**SA Meeting:** 8 p.m., MSEC 103. Open to all NMT students.

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**Tuesday, April 22**
Registration for Fall 2008: Beginning today, seniors may register online at Banweb or in person at the Registrar's Office.

FBI Interviews: all day, Career Services/Student Affairs.

MST Independent Study Presentation: 11 a.m., Cramer 123. Teresa Walker, graduate student in Master of Science for Teachers, presents her Independent Study "A Model for Teaching Algebra Based Advanced Placement Physics and Calculus Based Advanced Physics in the Same Classroom." Public invited.

MST Independent Study Presentation: 2 p.m., Cramer 123. Barbie Lynch, graduate student in Master of Science for Teachers, presents her Independent Study "Augmenting the 4th Grade Geology Curriculum." This document uses English and Navajo languages jointly to address the diversity requirements of a reservation school. Public invited.

Dissertation Defense: 2 p.m., Cramer 221. Gopalakrishna R Tadiparthi, graduate student in computer science, defends "A Multi-Agent Intelligent System for Analysis of US Wholesale Electricity Markets."

Physics Seminar: 4 p.m., Workman 101. Faculty candidate, Gerhardt Meurer of The Johns Hopkins University, speaks on "Star formation in HI selected galaxies - scaling relations and the Initial Mass Function"

Intro to Python: 5:30 p.m., Speare 23. Introduction to programming in Python. FREE class presented by TCC. Today: "The Tkinter graphical user interface, part I."

Wednesday, April 23

Registration for Fall 2008: Beginning today, juniors may register online at Banweb or in person at the Registrar's Office.


Master's Thesis Defense: 3:30 p.m., Weir 102. Norelle I. Shlanta, graduate student in mathematics, defends her thesis "Statistical Models of Student Retention at New Mexico Tech."

Intro to Python: 4 p.m., Speare 23. Introduction to programming in Python. FREE class presented by TCC. Today: "The Tkinter graphical user interface, part I."
Earth Science Club Meeting: 5 p.m., MSEC 101. For details, see http://infohost.nmt.edu/~earth/events.html

Advanced Python Applications: 5:30 p.m., Speare 23. Open discussion of Python programming tools and methods.

Billy Aardd's Club Meeting: 7 - 9 p.m., Game Room, Fidel Center. Free billiards on three reserved tables. http://www.nmt.edu/~billiard/

Paydirt Deadline: Submit stories to Paydirt@nmt.edu for April 30 issue.

Thursday, April 24

Registration for Fall 2008: Beginning today, sophomores may register online at Banweb or in person at the Registrar's Office.

SA Elections: all day, Fidel Center.


Visiting Poet Craft Talk: 12:30 - 1:50 p.m., Cramer 120. Visiting poet Diane Thiel conducts a Creative Writing Craft Discussion
http://www.nmt.edu/mainpage/events/poetry.html

EES/Bureau Seminar: 4 p.m., MSEC 101. Kate Miller of the University of Texas at El Paso presents "Crustal Structure of the Southern Rio Grande Rift: New Results from Seismic Refraction and Xenoliths."

Physics Seminar: 4 p.m., Workman 101. Faculty candidate, Massimo Marengo of Harvard-Smithsonian Center for Astrophysics, speaks on "A Spitzer View of the Epsilon Eridani Planetary System"

http://www.nmt.edu/mainpage/events/poetry.html

Intro to Python: 4 p.m., Speare 23. Introduction to programming in Python. FREE class presented by TCC. Today:

Tech Amateur Radio Assn. Net: 7 p.m., 146.680MHz, pl 100. All amateur radio operators are invited to participate.

Movie: 7 p.m., Workman 101. "Black is for Sunday," a movie by Invisible
Children, a non-profit organization aimed at exposing the harsh realities of northern Uganda. Followed by discussion about current issues in Uganda and ways to help

**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.

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**Friday, April 25**

**MESA USA Trebuchet Competition:** Students from all over the state will be competing in MESA's trebuchet competition on the Tech campus. Details TBA.

**Registration for Fall 2008:** Beginning today, freshmen and special students may register online at Banweb or in person at the Registrar's Office.

**NRAO Colloquium:** 11 a.m., AOC. Paul Demorest, NRAO, speaks on "Detecting Gravitational Radiation with a Pulsar Timing Array."

**Master's Thesis Defense:** noon, MSEC 290. Roshelly Paliza, graduate student in mining engineering, defends her thesis on "Characterization of Pb-Zn-Ag-(Cu) Mineralization in Jurassic carbonates, Manto Italia area, Morococha District, Peru."


**Master's Thesis Defense:** 2:30 p.m., MSEC 202. Nicole Alkov, graduate student in EES, defends her thesis "Remote Sensing of Fire Effects on Tamarisk Evapotranspiration and Regeneration."


**Master's Thesis Defense:** 4 p.m., Workman 352. Will Walden-Newman, graduate student in physics, defends his thesis: "Commandable- Cutdown Instrument and Correlation Study between Lightning Flash Count and Meteorological Parameters."

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**Saturday, April 26**

Monday, April 28

**Grad Student Association Meeting:** 12:30 p.m., Tripp Room, Skeen Library.

**Carino Toy Lending Library:** 3 to 5 p.m., NMT Children's Center. Anyone from Tech and the community may check out free toys for children.

**Hydrology Seminar:** 3:30 p.m., MSEC 101. Jungho Park, New Mexico Tech, speaks on "Reactive transport modeling of the geochemical and microbiological processes of the Middendorf aquifer, South Carolina"

**Math Seminar/ Independent Study:** 4 p.m., Weir 209. Siyu Lin presents his Independent Study Report: Well-Posedness and Dynamics of the Three-Dimensional Brinkman-Forchheimer Equation."

**Air Rifle Practice:** 5:30 p.m., Tech Gym Basement. Precision air rifles, targets and pellets provided. Free to NMT students, sponsored by Tech Shooting Sports Club.

SCOPE Notices

**NEWS:**


Lobos Top Pygmies in Rugby Try Fest,
http://www.nmt.edu/mainpage/sports/s2008/14apr01.html

Tech Scores Well in Bridge-Building Contest,
http://www.nmt.edu/mainpage/news/2008/9apr02.html

KUDOS:

Dr. Andrei Zagrai, Assistant Professor at Mechanical Engineering received a very competitive grant from the Air Force Office of Scientific Research ($260,000 for three years starting Spring 2008) for the project entitled: "Nonlinear Structural Health Monitoring of the Responsive Space Satellite Systems Using Magneto Elastic Active Sensors." The proposed research will enable three graduate students and three undergraduate students to receive training and gain knowledge in ultrasonics, nonlinear acoustic, structural dynamics, material science, scientific instrumentation, and engineering mathematics.

LIBRARY SURVEY:

Skeen Library would like to get users' feedback on services and resources. Please go to the library's home page and click on Library Survey. Include your email address at the bottom of the survey to enter a drawing for an iPod nano. The survey will be open until Wednesday, April 30.

JUDGES NEEDED FOR TREBUCHET COMPETITION:

On Friday, April 25, students from all over the state will be competing in MESA's trebuchet competition on the Tech campus. Judges are needed from 7:30 am until about 3:00 pm.

SOCCEER COACH WANTED:

The Tech Gym is seeking a new men's soccer coach. Please contact the Gym if you are interested. Many thanks to Prof. Paul Fuierer, who has carried the ball for many years, although, of course, not in his hands.

 NOMINATIONS WANTED:

Student Association Awards for graduating senior, faculty member, and
staff member who have done the most for Tech.

--**Distinguished Alumni Awards**: send nominations to Carol Lynn Tiegs,

--For details, deadlines, past winners, etc., see http://www.nmt.edu/mainpage/honors/nominations.html

**FACILITIES MANAGEMENT CONSTRUCTION PROJECTS:**

- **Kelly Petroleum Building**, drawings near 98% complete and bid package near release stage. Construction to begin approximately 06/09/08
- **Campus Sign**, corner of Leroy and Campus Drive. Foundation to begin after graduation.
- **La Raj Demolition** to begin Summer 2008
- **Golf Course Lavatories** Stucco has begun, and heaters to be installed. Finish date: 04/30/08
- **Cramer Landscaping**, finish date: 04/4/08
- **Desert Maiden**, Landscape is near completion, finish date: 04/30/2008
- **Electrical Loop**, in progress, Facilities Management portion near completion. Finish date: Not established
- **Driscoll Hall**, Shower remodel, construction to begin Summer 2008
- **Fine Arts East and West**, Drainage issues, in progress
- **Kelly Hall water line replacement**, should be complete 04/7/2008

**REGISTRAR’S OFFICE:**

**Important Academic Dates:**

April 14 - 18: **Summer 2008 Registration.** Monday, graduate students and Tech scholars. Tuesday, seniors. Wednesday, juniors. Thursday, sophomores. Friday, freshmen.

April 21 - 25: **Fall 2008 Registration.** Monday, graduate students and Tech scholars. Tuesday, seniors. Wednesday, juniors. Thursday, sophomores. Friday, freshmen.

Friday, May 9: **Last Day of Classes**


Thursday, May 15: **End of finals**
Saturday, May 17: Commencement Please arrive at 9 a.m. for line-up. Commencement begins at 10 a.m. Reception after.

Monday, June 16: Orientation

Tuesday, June 17: Classes begin

--MAY 2008 GRADS: If you plan to graduate in May 2008, please check your name, degree, and minor (if any) at http://www.nmt.edu/mainpage/commencement/c2008/may2008grads.pdf. This information will appear on your diploma. If you wish to change anything, please contact the Registrar's Office.

--If your name does not appear here and you intend to graduate, please turn in your Intent to Graduate form to the Registrar's Office immediately.

--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.