

**AAMU 3rd ANNUAL SCIENCE, TECHNOLOGY,
ENGINEERING and
MATHEMATICS (STEM) DAY 2009**

ABSTRACT DEADLINE EXTENDED

**Friday, April 3, 2009
T.M. ELMORE GYMNASIUM
8:30am – 3:00 pm**

Abstract Deadline Extended: March 23, 2009, 5:00PM

**Email Abstract to: stem.day@aamu.edu
Or, Upload Abstracts at: <http://www.sas.aamu.edu/STEM>**

Please note that due to time constrain, Abstract submitted after this deadline will NOT be accepted or published.

**Abstract Guidelines for AAMU STEM Day 2009
Presentations**

Poster presentations will be accepted from any Science, Technology, Engineering and Mathematics (STEM) related research project or senior project, including current on-going projects at AAMU or projects completed off-campus through summer research experiences. There will be monetary awards along with a certificate from the University. All presentations will be in the poster format.

The following explains the abstract categories and the required format. (The categories might be modified in future.)

Abstract Categories:

Civil Engineering – Senior Projects and Undergraduate Research

Computer Sciences – Undergraduate and Graduate

Electrical Engineering – Senior Projects and Undergraduate Research

Engineering Technology – Senior Projects and Undergraduate Research

Life Sciences – Undergraduate, Graduate

Mathematics – Senior Projects

Mechanical Engineering – Senior Projects and Undergraduate Research
Natural Resources & Environmental Sciences – Graduate
Nutritional Biochemistry/Food science – Undergraduate and Graduate
Plant/Food Biotechnology – Graduate
Physical & Space Sciences – Undergraduate and Graduate
Wildlife Studies/Forestry – Graduate

Abstract Format:

Please indicate if you are an undergraduate or graduate student. Each student is limited to one poster. To be accepted for program inclusion, an abstract must have an advisor/mentor named as a coauthor. All abstracts are to be received in electronic format by **March 09, 2009** (no late abstracts will be accepted).

Type the Title of the poster in **Title Case and Bold** (Times New Roman, 12 point). Skip one line and type the author(s) name(s) and advisor/mentor name(s), with the presenting author listed first, as shown in the Sample Abstract Format (next page). After the authors name, give the authors classification in parenthesis (i.e. Freshman, Sophomore, Junior, Senior, Masters, Ph.D. student). On the next line type the address of the presenting author i.e. academic unit, institution in regular upper/lower case format. Include e-mail address.

Skip one line and type the word ABSTRACT in UPPER CASE. Skip one line and insert the body of the abstract. The abstract should be informative but concise, containing all relevant scientific information and must be no more than **350 words** in length. The complete abstract must be single spaced with paragraphs separated by a blank line. Paragraphs should not be indented. Please use **Microsoft Word 1997-2003**. Photographs, line drawings or tables will not be accepted. Please send your abstract to stem.day@aamu.edu. The final selection will be the responsibility of the STEM committee.

Sample Abstract Format:

(Please use Microsoft Word 1997-2003)

Mechanical Engineering – Undergraduate

Effect of Mixed Loading on the Failure of Woven Composites

Danielle Moore (Senior Student), S. J. Chowdhury (Advisor/Mentor), and M. A. Seif

Mechanical Engineering Department

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ABSTRACT

This work studied the mechanical performance of GFRP woven composites under combined tension-bending loading. Special fixtures were used to apply the bending moments through...