

## **ASME Diversity Action Grant Report**

***ASME student sections that receive funding through the Diversity Action Grant (DAG) program must complete and submit this report to ASME's Center for Leadership & Diversity by no later than June 1 of the academic year in which the project was undertaken. Any unused funds remaining must be returned to ASME with the report. ASME student sections that fail to submit a timely report may not be eligible to receive DAG funding for future projects. Additional information regarding the project, including photographs, copies of marketing materials and additional text, may be included with this project report.***

**Date:** May 12, 2008

**Student Section:** University of Akron ASME Student Chapter

**Student Section Chair/Contact:** Mr. Mike Frank

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**ASME Student Section Advisor:** Dr. Jerry Drummond

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**Women in Engineering Advisor:** Ms. Heidi Cressman

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### **Summary of DAG Project**

**ASME DAG Funding:** \$ 1170

**Total Project Budget:** \$ 9800

**Partnering Organizations:**

Lockheed Martin	Girl Scouts NEO
McDonald's Corp.	Society of Women Engineers-UA student chapter
Ruhlin Corp.	ASME-UA student chapter
Babcock and Wilcox	The University of Akron
CT Consultants	ARCADIS
NASA	Go Jo Industries

**Attendance Total: 576** (356 girls, 150 parents, 70 volunteers)

**Women: 495**

**Minorities: 200+**

**ASME Section/Region Reps:**

**Professionals:**

Mr. Mark Cressman, Veyance Technologies \*

Ms. Loretta Harland, BF Goodrich \*

Dr. Mary Verstraete, Professor, Biomedical Engineering

Society of Women Engineers, ASME and UA Student Volunteers

Mr. Clark Reed, Lockheed Martin

**Students:**

Ms. Halle Senger \*

Ms. Ashley Johnson

Ms. Erica Bronner \*

Ms. Jamie Anderson

Ms. Cheslea Mead

**Project Description: See Attached Report**

**Project Goal/Objective and How Achieved: See Attached Report**

**Evaluation of Program's Success: See Attached Report**

**By no later than June 1, submit this report to:**

**ASME Center for Leadership & Diversity**

**Attn: Marina Stenos**

**Three Park Avenue**

**New York, NY10016-5990**

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**The University of Akron  
College of Engineering  
2008 Kids' Career Day for Girls**

**Summary  
The ASME Diversity Action Grant**

**Organizations:**

The University of Akron's Women in Engineering Program (WIEP), ASME-UA student chapter and Society of Women Engineers UA-student chapter

**Program:**

*"2008 Kids' Career Day for Girls":* Grades 1-6, 356 students, 150 parents, 70 volunteers

**Objective:**

*Kid's Career Day* is offered annually and targets young girls, grades 1-6 (and their parents) to encourage and support their interests in academic areas of science, technology, engineering and math (STEM). The University of Akron's Women in Engineering Program supports the theory that women are a strong resource to help meet the staggering needs of engineers in today's workforce. The purpose of *Kid's Career Day for Girls* is to help these girls identify their interests early in life, and consequently begin a more directed academic focus in the fields of engineering as they continue into high school and college.

**ASME Diversity Action Grant Application:**

This year, the focus of the program was to upgrade materials in the programs in order to enhance the learning experience by participants. In doing so, approximately \$1300 was spent on material improvements which was significantly off-set by ASME Diversity Action Grant received for \$1170.

Specifically, the ASME Diversity Action Grant provided in the following ways:

1. Introduced four (4) new scientific projects that explored the areas of air bearings, friction in toy cars, industrial engineering and properties of materials.  
Expense: \$231.24

2. Improved or replaced eleven (11) existing projects. For example, replacement parts and batteries for projects like the marble roller coaster; electro magnet, rocket balloon, polymer, chocolate asphalt and chemical reactions projects.

Expense: \$ 850.46

3. Built two hovercrafts for the students to ride.

Expense: \$213.40

**Results:**

In 2008, *Kids Career Day for Girls* enjoyed an increase in participation and interest level. This year, 356 students attended by comparison to the 240 students participating in the previous year's event. In addition, from a survey response:

66.7% of the participants found the program to be excellent

98.2% of the participants said that they had fun

93.5% said that they would come back again next year

From the parents that attended:

100% believed that this program had a positive effect on their child

**Conclusion:**

The University of Akron's Women in Engineering Program in cooperation with ASME Diversity Action Grant, corporate sponsors, the ASME-UA student chapter and the SWE-UA student chapters and local schools successfully supported its mission to enlighten and promote the interest in engineering and related science studies to the young girls that participated.

With a 26% participation increase for the 2008 event, the outlook for this program is promising. Clearly, the ASME Diversity Action Grant supported efforts to provide an exceptional and lasting learning experience for the girls attending and positively influence their choices for careers in **Science, Technology, Engineering or Mathematics.**

**Report Summary Contact:**

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