



# CENTER FOR INFRASTRUCTURE ENGINEERING STUDIES

## **Women's Leadership Institute Report for 2005-06 Activities**

By

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**Women's Leadership Institute  
REPORT FOR 2005-06 ACTIVITIES  
June 2006 – December 2006**

**Girls "Lock-In" Conference's**

\*September 29-30, 2006 (12 participants)

The conferences gave the students the opportunity to camp out in a residence hall, learn more about studying math, science, and engineering at UMR, meet other perspective and current students, learn tips for financial aid and admission, and participate in team projects. The conference was designed by students who are members of the UMR Society of Women Engineers (SWE) and the Women in Engineering and Science Program.





### **Society of Women Engineers (SWE) National Conference:**

\*October 2006 (National); 5 students; 2 staff

\*September 2006 (Regional); 4 students

UMR Society of Women Engineers (SWE) students participated in the National and Regional conferences which are the major events for SWE and one National is one of the largest technical and career conference for female engineers in the country. Each year, the conference attracts nearly 5,000 engineering professionals, students and corporate representatives. The conference is an opportunity for engineering companies and corporations to recruit top talent from SWE membership. It also provides educational, technical and career opportunities for professional and student engineers.

### **Summer Solutions Camp (9-10<sup>th</sup> grade girls camp)**

June 19 – 23, 2006 (23 participants)

The 5th Annual Summer Solutions Camp is designed to peek the interest of freshman and sophomore high school girls in engineering and science. The one-week program is designed to enable female students to obtain a clear picture of engineering and science as a profession. Several hands on projects are planned to help the students learn more about career options and the demand faced in the fields of engineering, math, and science.

### **“It’s a Girl Thing” – 7<sup>th</sup> & 8<sup>th</sup> Grade Girls**

**July 17 – 19, 2006 (24 participants)**

The program is designed to enable young female students who will be in the 7<sup>th</sup> & 8<sup>th</sup> grades during the 2006-07 school term, to help them obtain a clearer picture of engineering and

scientific/technological professions. Students will get an opportunity to explore engineering, math, and science through “hands-on” experience. The sessions include laboratory experience, team engineering projects, and time to interact formally and informally with role models and peers. Students become acquainted with various fields of engineering and science and with the demand faced in these fields by practicing engineers and scientists. Another goal is to acquaint students with the type of effort required for college study.

**“Expanding Your Horizons... in Math and Science”**

**November 3, 2006 (over 500 participants)**

This national program was established by the Math and Science Network in 1976. UMR implemented the annual EYH conference in 2000 and today has served over 2000 students. UMR hosted its 6<sup>th</sup> conference for over 500 young women. This conference is designed to nurture girls’ interests in science and math courses and to encourage them to consider science and math based career options such as engineering, computer science, and biometrics. EYH is an invitation for 7<sup>th</sup> & 8<sup>th</sup> grade girls to visit the UMR campus and attend a keynote presentation by a successful women engineer or scientist, participate in hands-on math/science activities, and interact with female students, faculty and practicing engineers and scientists who serve as positive role models.