



# **CENTER FOR INFRASTRUCTURE ENGINEERING STUDIES**

**Expanding Your Horizons in Math, Science, and  
Technology; Girls**

**Lock-In Conference; Summer Solutions 2003 Girls**

**“Lock-In” Conference**

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## **Expanding Your Horizons in Math, Science, and Technology; Girls Lock-In Conference; Summer Solutions 2003 Girls “Lock-In” Conference**

ETT 84- 2002-03 M. Schoenborn, PI

The Society of Women Engineers joins with the Women in Engineering and Science (WIES) program twice a year to sponsor a conference for high school juniors and seniors. The conference was created to encourage high schools girls to enter the fields of science and engineering. Girls are invited to come to UMR for the two-day lock-in. Those attending the conference have the opportunity to participate in many activities including team projects, campus tours, sitting in on classes, and attending a UMR sporting event. This year, the Girls Lock-In conferences allowed thirty-four area high school students the opportunity to camp out in a residence hall, learn more about studying math, science, and engineering at UMR, meet other prospective 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.

The 2<sup>nd</sup> Annual Summer Solutions Camp was held to peek the interest of 25 freshman and sophomore high school girls in engineering and science. Several hands on projects and a professional women’s luncheon and panel were conducted to help the students learn more about career options in engineering, math, and science.

UMR hosted its 4<sup>th</sup> Expanding Your Horizons in Math, Science, and Technology conference with over 350 young women in attendance. EYH is an invitation for young women and teachers to visit the UMR campus. This conference is designed to nurture girls’ interest in science and math courses and to encourage them to consider math and science-based career options. Students attended keynote presentations by successful women engineers and scientists, participated in two hands-on math and science activities, and interacted with female students, faculty, practicing engineers and scientists.



**Figure 1: Students attending lecture series**



**Figure 2: Students in classroom activities**