

4-19-2004

## W.M Keck Foundation Student Research Day

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### Recommended Citation

Chapman University Media Relations, "W.M Keck Foundation Student Research Day" (2004). *Chapman Press Releases 2003-2011*. Paper 430.

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## W.M Keck Foundation Student Research Day

Event will feature student presentations and an evening lecture on Mars rovers. Chapman University presents the 2004 W.M. Keck Foundation Student Research Day. The event will feature student presentations on research conducted during the spring semester. Student research topics include: water quality in the upper Newport Back Bay, foundations in science, physical science standards for elementary students, and soft drinks in schools.

The day will conclude with an evening lecture by Dr. Eric Baumgartner, senior engineer and group supervisor of the mechanical robotics technology group with NASAs jet propulsion laboratory, on *Driving Rovers on Mars: Challenges and Opportunities Associated with Robotic Planetary Explorers*. The lecture will discuss the challenges associated with the rapid development of these complex spacecraft and the operation of an autonomous robot that is over 200 million miles from home. Dr. Baumgartner will also highlight the bright future of robotic planetary explorers that will push the envelope in terms of mobile in-situ science investigations including aerial, surface and sub-surface exploration.

WHEN: Thursday, April 29, 2004  
Student presentations: 9 a.m. 3:50 p.m.  
Buffet Lunch: 11:30 a.m.\*  
Evening lecture: 7 8:45 p.m.

\* To participate in the lunch you must attend all or any part of the day's activities and RSVP.

WHERE: Beckman Hall room 404, on the Chapman University campus in Orange, CA.

COST: Free and open to the public.

CONTACT: For more information or to RSVP for the lunch, contact Ruth Booth at (714) 628-7293 or [rbooth@chapman.edu](mailto:rbooth@chapman.edu).