



Rock River Valley Section News

February 2003

2003 Engineering Week Celebration Joint Meeting ASME/IEEE Thursday, February 20, 2003

US FIRST (For Inspiration and Recognition of Science and Technology): Robotics Engineering Projects in High School

New generation talents in Engineering and Technology ... Team up and cooperation between generations to prosperous Engineering and Technology.

ASME/IEEE will recognize the outstanding team; the students, their parents, their leader, and the supporters.

Time

Social Hour..... 6:00 PM
Dinner..... 6:30 PM
Presentation..... 7:30 PM

Location

Rock Valley College Technology Center, Room 142.

Dinner

ASME Dinner Prices:	Members	\$5.00
	Non-members	\$13.00
	ASME Students	\$2.00
	Team participants	free

Menu: *Select choice of vegetarian or meat.*

Dinner is optional and the presentation is open to public for free.

RSVP Sandi Milburn at 815-226-7646 or sandi.milburn@hs.utc.com by Monday Feb. 17, 2003.

Presentation:

The FIRST National Robotics Competition provides a unique opportunity for high school students to explore the world of science and technology through hands-on engineering. Over 20,000 students on over 800 teams around the nation are given a mere six weeks to design, build, and test a complicated robot capable of completing whatever task that year's game requires.

This year's competition, called "Stack Attack," requires robots to secure and stack plastic Sterilite storage containers. The higher the stack, the larger the multiplier for other containers in the team's designated scoring zone. Each match lasts only 2 minutes and is played by 2 alliances comprised of 4 teams.

Creating a robot from scratch is no small feat. For six weeks, professional engineers and students work side-by-side to solve this engineering design problem. The FIRST program - stimulates the minds of young people and motivates them to pursue a career in science and technology. Engineering mentors play a vital role in the life of the team and the students as individuals. Alongside these adults, students grasp mathematical and scientific concepts to which many youth have never been exposed. From the initial design brainstorming sessions, to the intensely hands-on construction, and finally to the high-tech, high adrenaline competitions, student and professional participants are part of a life-changing, career-shaping experience.

Mr. Brian Kluck is leading a pack of bright, passionate students from the Christian Life High School in Rockford to compete in the FIRST competition. Several Rockford area engineers have teamed up with CLS's 2003 robotics team (#933) to create "Trigos," a challenging task which challenges even the engineers. These teenagers, who shine above their peers as they strive for excellence, will undoubtedly go on to impact the world around them, just as their professional mentors have impacted them during this project. At the same time, involved engineers experience the excitement and passion which once inspired them to choose a career in engineering. This perfectly describes the mission of US FIRST—For Inspiration and Recognition of Science and Technology. For additional information visit www.usfirst.org.

Speaker:

Mr. Brian Kluck, Christian Life High School, Rockford, IL. Mr. Kluck, advanced math and science teacher, is, for the second year, leading the school's team to compete in the FIRST competition.

Directions:

Exit I-90 at Riverside Blvd., go west on Riverside to Mulford Rd. Go south to first light, turn east into RVC. Follow road to left to last building.

**Rock Valley College:
3301 N. Mulford Rd., Rockford, IL**

Discover Engineering!

Saturday, February 22, from 11-3:00 pm

Discovery Center Museum is hosting an event for families. Engineers from local corporations will have displays and talk to children about their careers and what they do. Children will be able to ride on a hovercraft built by students at NIU, and Mike Offutt will perform at 1:00 pm. Mike's show incorporates hands-on science, audience participation and fun together for people of all ages.

The Engineering event is free to the public, and is located in the assembly hall at Discovery Center's location at 711 N. Main St. in the Riverfront Museum Park building.

**ROCKFORD INDUSTRIAL TRADE SHOW
APRIL 15-16, 2003**

FOR IMMEDIATE RELEASE:

**Contact: Andrea Nichols
(815) 877-8043**

SHOW: 23rd ANNUAL INDUSTRIAL TRADE SHOW
DATES: APRIL 15-16, 2003
SITE: ROCKFORD METRO CENTRE, 300 ELM STREET
HOURS: TUESDAY, APRIL 15, 11:00am - 6:00pm
WEDNESDAY, APRIL 16, 11:00am - 7:30pm
RECOGNITION: *Trade Show Monthly* has named the Rockford Industrial Trade Show in the top 100 industrial Trade Shows in the United States.

This is Northern Illinois's largest industrial trade show, featuring products for industry and specialty applications. The event offers a whole spectrum of industrial goods, from high tech to maintenance products and methods to make any business, regardless of size, more efficient.

All industrial personnel are urged to attend. Maintenance, engineering, purchasing as well as CEO's and department heads should attend this event. New products and services are annually unveiled at this show.

The Rockford show will feature the Chamber Of Commerce "**Business After Hours**" which offers a casual atmosphere while enjoying refreshments and hors d'oeuvres. "**Business After Hours**" will be held on Wednesday, April 16th from 4:00pm to 7:30pm.

No admission fee is required, except a business card.

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Ethics Workshop at RAC

“Ethics in the Practice of Engineering” is the title of a professional development workshop that will be held at the ASME Central Region (VI) Administrative Conference at Purdue University, West Lafayette, Indiana. Held on Saturday, 29MAR2003, the workshop will provide 6 contact hours (PDH) for those who track such. You do not have to register for the RAC to attend this workshop.



The workshop facilitator, Deborah Long, is an ASME Distinguished Lecturer on ethics. Deborah has presented numerous seminars and workshops on ethics to groups representing a variety of professions. A Chicago native, Ms. Long earned her BS and MS degrees at the University of Illinois and her now resides in Chapel Hill, NC. Certified as an ethics trainer by the Josephson Institute of Ethics, Deborah has interest, training, and expertise in the areas of business ethics, ethical decision making skills, and diversity.

For additional information on the workshop or to register on-line, check out <http://regions.asme.org/regionvi/> or call 847-663-1364 and request a flyer.

Message from the Chair:

- The Rock River Valley Section is looking for volunteers. Do you want to shape the future of ASME ? Do you want to organize interesting and exciting events ?
- We are arranging for an interesting presentation in April about "A History of Diesel-Electric Locomotive--From Year One" and EMD.

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You can also call InfoCentral
at 800-843-2763