Girls Exploring Science, Engineering & Technology Event (GESET) Held February 23

The event was held at the Adam’s Mark Hotel Denver. Our objectives to introduce middle school girls to science, engineering and technology careers and challenge them to explore non-traditional opportunities were met as evidenced by the event statistics below:

- 816 middle school girls (41% of the 2,000 registrations received)
- Over 85 adult chaperones (parents and teachers) and 150 volunteers
- 49 different schools represented from 16 school districts in the Denver Metro Area
- Over 46% minority participants
- 19 exhibitors from higher education, community, professional and governmental organizations
- Sponsorships contributed $38,100 to cover direct expenses
- The Adam’s Mark Hotel and other companies provided in-kind services valued at over $20,000.

Sponsors included the following:
- Lockheed Martin
- Adam’s Mark
- Agilent Technologies
- Ch2M Hill
- Society of Women Engineers
- CCR
- Holme Roberts & Owen
- IBM Women in Technology
- Raytheon
- Ball Aerospace
- DMJM Aviation, Inc.
- Gay and Lesbian Fund
- Merrick & Company Women Engineers
- Washington Group International, Inc.
- Sun Microsystems
- Rockwell Automation
- Frontier Airlines
- Key Bank
- TCF National Bank
- UMB Bank
- U.S. Bank
- Wells Fargo
- Scanlon Consulting Services, Inc.
- Martin/Martin, Inc.
- Hire Potential

(continued on page 7)

Professional Development Seminar and Celestial Seasonings Tour Planned

We plan to hold a Professional Development seminar with Lisa Woodward of CDPHE, tentatively scheduled for May 19th. She works in the Hazardous Material and Waste Management Division of CDPHE and is currently working on the Pueblo Chemical Agent-Deconstruction Pilot Plant. Please mark your calendars and watch for more details on this interesting and timely topic.

We are also hoping to put together a tour of the Celestial Seasonings Factory in Boulder, possibly in April! Again, watch for more details coming up!

Submitted by Jennifer Halstead

Networking Meeting March 30

It would be great to see lots of SWE members for networking, drinks and appetizers on Tuesday, March 30, 2004. We will meet at Chili’s near Hampden and I-25 by the Continental Theater at 6:00 until ??? We have had several SWE events, and I look forward to sharing with other members how they all went. The GESET event was great, and I enjoyed the conference in Colorado Springs also. I had to leave Colorado Springs early so did not get to participate with the Birthday Bash. I’d love to hear about the good times I know I missed.

This will also be a good time to learn about the slate for officers for next year.

Please RSVP by March 26 at diana.dede@swe.org.

Congratulations to ...

Isobel Parker

on her engagement!

A June wedding in Virginia is planned.
Letter from the President

Dear SWE RMS:

WOW! So many things have happened lately, that it seems like months since the last newsletter! We have many exciting things to tell you in this newsletter, and I hope you will read it cover to cover!!

We just completed National Engineers’ Week, and for SWE-RMS, the week was highlighted by the 2nd Annual Girls Exploring Science, Engineering and Technology event. It was a HUGE success!! Sandra Scanlon did an amazing job of organizing, funding, and executing this event for 816 middle school girls. Everyone already wants to know when it will be held next year and how they can get involved. It was a GREAT day and many kudos to Sandra.

Several SWE-RMS members were also inducted into the Order of the Engineer at the Engineers’ Dinner, and I hope we can continue to induct more SWE members. We can hold our own ceremony in the future, so if you are interested in being inducted, please let a Board member know. Sandra Scanlon was awarded the well-deserved Certificate of Honor by the Colorado Engineering Council at this dinner. Sandra, we are all very proud and you give us all such a high bar to reach for!

The Region I Conference was also a big success and well-attended. Many seminars were over-flowing with attendees. We debuted our new SWE hats (see this newsletter for more info), and they look great! Proceeds are going to help fund GESET next year. Keep your eyes open for additional SWE logo wear (cool stuff!!) coming out!

We are very pleased to announce that we have a new Section website address, thanks also, to Sandra Scanlon. She has obtained the www.swe-rms.org website for our exclusive use for the next 10 years. This new domain should make it so much easier for people to find us. Chris Kruse and Krisha Brooks from Merrick have designed a brand new SWE-RMS website, too!! (Another WOW! Great job guys!!) Easier navigation, additional content, easier website management, and a terrific calendar give our website a whole new look and feel.

Kim Sawyer has graciously agreed to head up our Speakers Bureau. We have had several requests for speakers this year, especially at the high school level, and we hope you participate in these quick panels….they really have quite an impact on the students.

Management Division regarding permitting and projects, the Colorado and Wyoming Science Fairs, the Essay Contest, the Scholarship selections, Networking night in April, the SWE-RMS Awards function, and an Elitch’s fundraiser (thanks, Joan Graf!). Stay tuned as we provide additional details via the SWE-RMS list.

And lastly, it’s already that time of year……SWE-RMS Board elections are just around the corner. Diana Dede is coordinating the elections for us this year. Elections will be held prior to the Awards event. We will also be doing some succession planning for our Section in the next few months, to insure that we have a strong leadership plan for the next several years. If you are interested in a future leadership position (which I highly recommend, as you will get experience that is often difficult to get anywhere else), please plan to attend the succession planning session and just let us know of your future thoughts. We promise not to make you commit to things before you are ready!

I would personally like to thank all of the SWE-RMS members who give so graciously of their time. You seem to find time to help out, even when your schedules are over-flowing. Because of you all, we are able to accomplish some amazing things – most of it on a volunteer basis. You make me proud to tell people I am the SWE-RMS President and proud to be a member.

Looking forward to finishing the year in style!

Cheers ~
Jennifer Halstead
SWE-RMS FY 03-04 President
(and Velvet - CCI puppy # 2 – scheduled for August turn-in)

A Note from the Editor

Congratulations to everyone on a successful GESET event! Read letters from teachers of students who attended the event on page 8.

This issue also features Lori Stucky, our president-elect, in our member profile on page 6. If you would like to be featured or know of another member you would like featured in this section, please let me know.

Please check the Contacts listing on page 11 and verify that your home phone, work phone, and email address is correct.

If you have any topics for the newsletter, please contact me. As always, thank you for your support and contributions!

Tricia Schwaller
Newsletter Editor
Get Your New SWE Hats!

Get your brand new SWE hat with our new tag line!! For only $15 (plus postage, if we need to send it to you) and proceeds will go towards the 2005 GESET event. Thanks to Tracey Whaley and Chris Kruse for all their hard work getting these great hats ready so quickly! Our SWE President, Alma Martinez Fallon and Secretary, Jude Garzolini, are sporting theirs from the Region I Conference! We have a limited number at this time, so don’t delay! Checks should be made to SWE-RMS (sorry, no credit cards). Contact Jennifer Halstead at Jennifer_Halstead@msn.com or 720-870-6749 if you would like one! (Hint: Student Sections…..order yours as a group and save postage!)

Watch for more great SWE apparel coming up!

Katheryn Coggon Elected to MESA Board of Directors

Katheryn was elected to the Colorado MESA Board of Directors in December 2003. Colorado MESA stands for Mathematics Engineering Science Achievement and is a statewide pre-collegiate program that focuses on ethnic minority and female students in grades 5 through 12. The goal obviously is to encourage young minorities and women to go into technical fields. MESA does this by providing programs on career exploration, field trips, college campus visits, scholarships and incentives, academic support, and a variety of special events that introduce the students to hands-on engineering activities and other technical careers. Her first introduction to MESA was through the SWE mini-conference in November. Congratulations, Katheryn!

Kristy Schloss Appointed

Kristy Schloss has been appointed to the Denver Branch Board of the Federal Reserve Bank of Kansas City. Congratulations, Kristy!

Sandra Scanlon Honored

The Colorado Engineering Council presented Sandra C. Scanlon with a Certificate of Honor at the Colorado Engineers Week Celebration Annual Dinner, put on by the Professional Engineers of Colorado and Colorado Engineering Council. The citation read “in recognition and commendation of meritorious contributions and noteworthy service rendered to the technical and scientific professions as follows: For her significant contributions to the role of women in the engineering profession, and for distinguished service in promoting programs that encourage youth to pursue mathematics, science, engineering, and technology careers.” Congratulations, Sandra!

Order of the Engineer Inductees

Several SWE members participated in the Order of the Engineer and took the Obligation Of An Engineer oath: Sandra Scanlon, Faith Kay, Jennifer Halstead, Heather Doty, Pat Kline, Jill Tietjen, Tracey Whaley, Carol Lyons, Sandra Nettleton Hearhold, and Denise Dulaigh. They all received a certificate and ring and are now part of Link 27 of the Order of the Engineer.
Nominations Received for SWE-RMS Board of Directors

The following nominations have been received for the Rocky Mountain Section Board of Directors. Qualifications necessary to be nominated to the board include 1.) Be a voting member of the Society in good standing. 2.) Be assigned to the Rocky Mountain Section as a professional member.

Ballots will be mailed April 5th. If you are interested in running for an office on the Board please contact Diana E. Dede at diana.dede@swe.org or 303-779-5696. Write-in nominations may also be made on the ballot.

President – Tracey Whaley
President-Elect – Lori Stucky
Treasurer – Kitty Wang
Secretary – Heather Doty
Section Representative – Sandra Scanlon and Jennifer Halstead

Tracey Whaley became involved in networking with the women engineers at Merrick shortly after beginning work at Merrick and Company in 1999. Merrick’s Women Engineers (MWE) met with Kristy, Sandra Scanlon and Jill Tietjen and volunteered to organize the Publications for the 2001 SWE Odyssey, the SWE Annual Conference in Denver. I was so energized and impressed by the women I met in the Rocky Mountain Section that after the conference I decided to become more involved in the Rocky Mountain Section. For the last 3 years, I have been the Membership Chair. As chair of the membership we have compiled a Membership Directory (it has not been distributed due to privacy issues but look for an updated version soon), we compiled a Member Survey, we have developed a new home page for RMS and updated our e-mail list. I have volunteered at the registration table for GESET for the last 2 years. I would love the opportunity to continue working with the dynamic and awesome women I have met at Rocky Mountain SWE.

Lori Stucky has a BS in Engineering from Colorado School of Mines with Specialties in Civil Engineering and Mechanical Engineering. As an Instrumentation and Control Systems engineer she has worked in the natural gas and nuclear industries. She has been a member of SWE since 1993. Lori has served as a committee member of the

Kitty Wang, a member of RMI's Energy & Resources Services team, has an MS in environmental engineering and science and a BS in civil engineering, both from Stanford University. She contributes to and manages RMI consulting projects for utilities, governments, and industry. She worked for Utility Engineering as a field mechanical engineer on Xcel Energy's Metro Emissions Reduction Project, overseeing the installation of three scrubber units at two large power stations in Denver and Boulder. Ms. Wang’s prior employers also include the American Council for an Energy Efficient Economy in Washington, DC and the energy and environmental consulting firm Econergy International Corporation in Boulder, where she was a project engineer. Kitty has been a member since 1999. She has previously helped with the 2001 national conference in Denver and the mini-conference for students and professionals held last November.

Heather Doty has BS and MS degrees in Civil Engineering and a BA in Music from the University of Colorado at Boulder. She is a structural engineer at Ball Aerospace in Boulder, where she is currently working on the James Webb Space Telescope (JWST) program. She first became a student member of SWE 8 years ago and has been active ever since. She served as Secretary and President of the CU Boulder student section and went on to become their SWE Counselor after graduation. She was chair of the mini-conference for students and professionals last year and is currently serving as co-Regional Student Coordinator for Region I.

Jennifer Halstead has a BS in General Engineering from the University of Illinois at Urbana-Champaign and an MS in Civil Engineering from the University of Southern California. She has over 18 years of professional experience, the majority of it in Project Management for a major commercial general contractor. She is currently an equity partner and part of the core launch team for a new company based in Denver and is beginning to work for herself as a Pre-Construction and Construction Manager. She is a Senior Member of SWE. Jennifer has served as Co-Chair of the Volunteer Committee for the 2001 Conference; SWE-RMS Colorado Engineering Council Rep for 2 years (Secretary for two years; Medal of Honor selection committee member for 1 year); Certificates of Merit Chair (1 year); member of the scholarship selection committee (1 year); and is currently the President-Elect and DU Student Section Liaison. She is EIT certified in IL and
Sandra Scanlon P.E., founded Scanlon Consulting Services, an electrical design and consulting firm, in 1997 after eight years of experience at Amoco Corporation. She serves industrial, institutional, and commercial clients. Sandra’s responsibilities while at Amoco included serving as lead electrical engineer, team leader for safety coordination, teaching at the School of Engineering Technology, and active leader in the Amoco/SWE Advisory Council. She has also been active on the national Membership Committee since 1995, including two years as chair. She has been President of the Chicago Regional Section; Vice President Rocky Mountain Section; and held several Section level committee chair positions.

Subscribe to SWE-RMS Email

Subscribe to the SWE-RMS Email list to get the latest information on events and programs of the Rocky Mountain Section.

Be the first to know about tours, programs, networking meetings, and conferences. Be on the list. Be in the know!

To subscribe to the SWE-RMS mailing list: email listproc@lists.colorado.edu with the message:

subscribe swe-rms last name, first name

You should receive an email confirmation.

To unsubscribe, email listproc@lists.colorado.edu. Leave the subject line blank, and type the following in the body of the message: unsubscribe swe-rms

Valerie Heaton is participating in an art show at the Red Rocks Trading Post. Her photography will be shown from April 1 through June 30. A reception will be held Saturday, April 3 from 1 – 4 p.m. The name is ‘Visions by Farr’, photographer Valerie Farr Heaton.

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If you love premium quality candles and accessories to decorate your home or give as gifts, call me for all of your PartyLite needs!

The brand new 2004 product is now available and there are many cool new fragrances and products!! Call me to schedule a home or office party (we do catalog parties, too), if you would like to get your favorites for free!!

Jennifer Halstead
Independent PartyLite Consultant
720-870-6749 or Jennifer_Halstead@msn.com

The Denver Concert Band presents their 27th Annual Young Artist Concert on Saturday, April 24, at 7:30 p.m. at Central Presbyterian Church, 1660 Sherman Street, Denver (two blocks north of the Capitol building). In addition to the Young Artist Competition winner featured as the soloist, the program will include “Godzilla Eats Las Vegas” by Eric Whitacre, where each section of instruments portrays a different character in Vegas. Come to this fun-filled evening! Admission is free. For more information, visit www.denverconcertband.org or call 303-83-MUSIC.
Member Profile: Lori Stucky

City of residence: Golden, CO

Family: It’s me and a 12-year old Goldfish, “Goldie”, he is actually white.

Member Grade: Life Member since 2003

How long have you been a member of SWE? 12 years

How did you become involved in SWE?

I became a member when I was a freshman at Mines. I became active in the professional section when Misty Fritz, the Rocky Mountain Section secretary at the time, recruited me to help with the Career Fair and Resource Development Committee for the 2001 National Conference. It was a great introduction to the opportunities SWE had to offer, both at a local level as well as a national level.

What positions have you held?

Member of 2001 National Conference Committee, Colorado School of Mines Counselor, and am currently President-Elect for the Rocky Mountain Section

What have you enjoyed most about SWE? Why?

I truly enjoy the networking and self-improvement opportunities that SWE offers. This is a great education into the workings of a fantastic group of women. The women in SWE are so supportive of others and those just starting out. I enjoy being part of an organization that encourages young people, especially girls, to go into technical fields and follow their dreams. I also enjoy seeing different parts of the country and learning about the many different aspects of engineering while attending conferences.

What is your current occupation/title?

Instrumentation and Control Systems Engineer for Washington Group International, a large engineering design and construction firm.

How did you get to that position?

I have been with Washington Group for almost 7 years since graduation. While continuing to work in instrumentation and control systems, I have been fortunate to have worked in several industries including natural gas, power, nuclear and chemical demilitarization, and mining. I currently specialize in instrumentation software and interfaces with other disciplines to maximize electronic communication and data transfer. I like the challenge of this interface because it enables me to learn more about other disciplines.

What was your college training?

I have a Bachelor of Science in Engineering from the Colorado School of Mines in Mechanical Engineering and Civil Engineering.

How did your college training help you get to that position?

CSM has one of the best engineering programs and provides a solid background in general engineering and specialization in an engineering field. Mines is excellent at preparing students for industry. From the time we are freshman until the time we graduate, we work in team environments on engineering design projects. This gives us the ability to work well with other disciplines and achieve the best possible engineering-design solution, both in college and in industry. I was able to hit the ground running in a consulting environment where I had to interact with engineers, designers and clients.

Any words of wisdom for college students entering the work force:

Get involved! It doesn’t matter if it is a technical society or other type of organization. This gives you exposure and practice with public speaking and interaction with a variety of people; which makes you a more valuable engineer.

Hobbies/Interests:

I enjoy doing volunteer work. I like to participate in several fundraising walks/runs for various organizations; Alzheimer’s Association, Multiple Sclerosis, and Senior’s Inc. I am also a Regional Director for the Alumni Association for Colorado School of Mines. I love watching and participating in sports, the outdoors and traveling, especially on a cruise ship.
Girls Exploring Science, Engineering & Technology Event  
(continued from the front page)

Workshops Offered including Sponsors:

Mission to the Planets: A Robotic Exploration Simulation  
Don Brown, Ph.D, JPL Solar System Ambassador, Curriculum Coordinator, Aurora Public Schools

Intellectual Property BINGO  
Katharyn Jarvis Coggon, special counsel at Holme Roberts & Owen

Exploring Careers in IT (and how you can make a better Peanut Butter and Jelly Sandwich)  
M. Elsbeth Sweeney, Manager of Printing Systems Division User Technologies, IBM Boulder, Boulder Chapter Lead: Women in Technology (K-12 initiatives)

Veterinary Medicine: The challenge of medicine when they can’t tell you where it hurts!  
Bonnie Kramer, DVM

"WHAT is in my Dog?"  
Sara Mark, DVM

The Animal Control Officers' Role in a Cruelty Investigation  
Christine Brooks, Animal Control Officer, Jefferson County Sheriff’s Office Animal Control Section

Use of Canines in Law Enforcement  
Jefferson County Sheriff’s Office K-9 Unit (teams 1 & 2)

Forensic Science with a Feminine Touch  
Laurel Farrell, Agent in Charge, Colorado Bureau of Investigation; Jacqui Battles, Agent, Colorado Bureau of Investigation; Amy Beatty, Agent, Colorado Bureau of Investigation

Do You Carry Water on Your Head?  
Patsy Sullivan, P.E., Senior Project Engineer, Martin/Martin Inc.

Gumdrop Domes & Melting Peanuts: Engineers Solve Problems!  
Deb Lasich, Executive Director, Women in Science, Engineering and Mathematics (WISEM) Program, Colorado School of Mines; Tricia Douthit-Paulson, Associate Director, Admissions Office, Colorado School of Mines

Assistive Technology: A Challenging Field Full of Fun!  
Diane J. Brians, B.A., Department of Rehabilitation Medicine, Assistive Technology Partners, University of Colorado Health Sciences Center.

Engineering the Global Positioning System  
Alison Brown, PhD, President and CEO, NAVSYS Corporation

Space: The Final Frontier  
Nate Carson, Business Unit Resource Manager for Lockheed Martin Integrated Systems & Solutions in Colorado Springs

Website Design and Development: It’s NOT Rocket Science  
Marjorie Alexander, Principal and Lead Web Developer, Two Hundred

The Visible Human Project: Exploring the Future of Virtual Anatomy  
Lee Granas and Michelle Bagur, Programmers, Center for Human Simulation, University of Colorado

Rockets’ Red Glare  
Tanya Apel, Lockheed Martin Corporation

Robotics and LEGO Mindstorms  
Rebecca Ritter, Sun Microsystems, Brian Dino and Stacey Fornstrom, Denver Public Schools

Digital Photography  
Mike Mitchell, Mike’s Camera

Earth Energy  
Susan Morrice, petroleum geologist, Principal, Aspect Energy

Agilent Workshops:  
Agilent Technologies is once again providing employees' volunteer time and “Agilent After School” science kits; over 35 Agilent employees from across Colorado will lead approximately 400 girls in four hands-on-science activities that include:

- The Steady Hand Game
- Night and Day
- Catch a Thief
- The Electronic Matching Game
Letters from Chaperones at the GESET Event

"Thank you very much for allowing Skinner girls to attend today's Science, Engineering, and Technology Conference. They thoroughly enjoyed themselves. I had them debrief with our principal, Pat Sandos, for about 20 minutes when they returned to school, and also had them write thank you letters.

Thanks again for bringing Skinner Middle School into the fold. Of the 37 girls in attendance, 33 are from ethnic groups who are under-represented in college populations, and in keeping, are even more underrepresented in the "hard science" fields.

I was also able to connect with representatives from CU – Boulder’s Women's Engineering Program, The School of Mines, Girls' Incorporated, and Junior Achievement’s Adopt a School Program...programs which will hopefully further enhance the educational achievement of Skinner Middle School students. If it is true that it takes a community to raise a child, then it follows that it takes a like-minded group of school-community partners to raise an educated child...and to change the status quo.

Please let me know if I can be of any assistance to you regarding future endeavors. I live by the motto that one good turn deserves another.

Respectfully,
John Appelhans
School Counselor
Skinner Middle School"

"I just wanted you to know that the girls had a wonderful time. They can't stop talking about the things that were presented. Thank you, as an educator, for provided an avenue for girls to try things that bring what we try to do in the classroom to life. Please convey my gratitude to all that helped put this event on, how much they had an impact on our girls. Please put us on the list for next year.

Bill Leaming
Horizon Middle School"

"We loved the event. Well worth it for us, even if the drive was long. We would be honored to attend next year. The girls are already telling their friends about it. I heard one of my students say that she always thought she would be a teacher but after yesterday she will explore the idea of veterinary medicine or forensics! I think that is fantastic! Thanks so much!

Joni Wilson
Canon City Middle School"

"Thank you so much for everything.....It was so exciting to see our girls arrive back to school with such energy. They all had a wonderful time! Including the teachers....they just went on about the conference.

Liliana De la Garza-Walton
Vikan Middle School"

"What I would like to say is, holy moly, what a gig. You should be immensely proud of yourself for organizing such a huge conference. Great job. One of our girls said "that was the most fun I’ve ever had on a Monday". Nuff said.

Sare Jane Romano
Rocky Mountain School :)

New Formulas for America's Workforce: Girls in Science and Engineering

A free book from the National Science Foundation

Find experts, get ideas to change the face of science and engineering – Hundreds of proven ways to engage students

For teachers, counselors, museums, schools, faculty, parents

Go to http://www.nsf.gov/home/orderpub.htm and request NSF 03-207 for book or NSF 03-208 for CD.

Also online at http://www.nsf.gov/pubs/2003/nsf03207/start.htm

Note: Jennifer Halstead sent for and received the CD version for our SWE-RMS library (it was FREE!). They were out of the hard copy version of it. Rockwell will print a hard copy for us.

The 2005 regional conference will be at Kansas University in Lawrence March 4-5.

Newsletter Sponsor

We thank Washington Group International, Inc., for their support in printing and mailing the SWE-RMS newsletter.
WE INVITE YOU TO THE SIX FLAGS ELITCH GARDENS CHARITY BENEFIT

SPRING SPIN: ONE GOOD TURN TO BENEFIT ANOTHER

SUNDAY, APRIL 18, 2004 ♦ Noon to 6:00 p.m.

Six Flags Elitch Gardens is putting the FUN back into FUNdraising. Colorado’s premiere theme park is celebrating a new season of fun and wants you to enjoy a sneak peek of the park AND provide our organization an opportunity to raise hundreds to thousands of dollars. This event is not open to the public – only to YOU! Be a part of Spring Spin today!

Here’s how it works:
We have been selected as one of several groups participating in the sale of $18.00 admission tickets to the Charity Benefit Spring Spin: One Good Turn To Benefit Another. Each ticket pre-sold will earn our organization $5. The more tickets we sell, the more money we raise. There are also several bonuses, such as a bonus check to the top three organizations that sell the most tickets and the top three organizations with the highest attendance on Spring Spin.

A SPECTACULAR CELEBRATION DAY AND GREAT VALUE AT SIX FLAGS ELITCH GARDENS!

Everyone who attends will receive:
❖ Best value of the year!
❖ Unlimited rides on more than 45 rides, appearances by Looney Tunes characters, and more – there’s something for the whole family!
❖ Giveaways!
❖ A coupon redeemable for a FREE ticket to a Colorado Rockies baseball game!

To order tickets, complete and mail with a check to: Joan Graf, 7990 S. Cedar Circle, Littleton, Co 80120
Or, call for more information: Joan Graf 303 794 0692

Name: __________________________________________________________________________
Address __________________________________________________________________________
City_________________________________________ State_______________ Zip_____________
Number of tickets ordered _______________ at $18.00 each. Amount enclosed $__________________
Please make check payable to: RMS – SWE. All sales need to be completed by April 11, 2004.
Allow one week for your tickets to be mailed to you. Thank you!
UNIVERSITY OF COLORADO
CONTINUING ENGINEERING
EDUCATION PROGRAM

NCES 8652: Introduction to Databases with MySQL
This course provides a well-rounded and hands-on introduction to basic RDBMS concepts, terminology, methods and operations as they apply to working with and administering a MySQL database. Students will install and configure the database server; create databases and tables using data definition language rules, and write SQL queries to retrieve and update data using the MySQL client command-line utility. A simple application will be written using the PHP scripting language to retrieve and display information stored in a MySQL database.

This course is designed for:
* ISP/hosting personnel - web application programmers, database administrators, systems support staff, help desk staff, and technical managers of these groups
* Corporations/organizations who host database-driven websites internally - (same job titles as listed above for ISPs and hosting services)
* Consultants/Independent Contractors - wanting to create, implement, and support MySQL database-powered applications for their clients
* Anyone looking to gain entry into career areas listed above using a structured, hands-on program that focuses on core knowledge and skills

The level of course content and interaction assumes the prospective student is competent in Windows PC and Internet operations. Since this represents an introductory offering, no prior database experience is required.

John Lacey has created and taught Open Source training programs and has collaborated in design and implementation of small and mid-sized web sites concentrating in back-end database programming. What John enjoys most is helping people learn new skills. His casual teaching style with a humorous outlook, coupled with a background of more than 25 years in the information and technology industry, provides a comfortable and quality learning experience for students. John has taught operating systems, networking protocols, languages, and Webmaster classes. He spent a number of years working as a software engineer writing in C, and his database experience includes Access, Informix, MySQL, some PostgreSQL, and SQLite. John currently works as an independent consultant primarily in client/server business and learning applications utilizing PHP and MySQL.

The course is scheduled Thursday evenings, April 8 through May 27, 2004 from 6:00 p.m. a.m. to 9:00 p.m. at CU at Interlocken at Level 3 Communications in Broomfield, Colorado. The course fee is $1,195. Students who successfully complete the course may earn 2.4 Continuing Education Units.

NCES 8637: Linux Server Installation, Configuration, and Management
This hands-on course focuses on installing (and perhaps reinstalling) the Linux operating system and a handful of applications. Students will configure the kernel and swap between built kernels. Various applications will be installed using Red Hat Package Manager, and then upgraded and then removed. Other software will be installed from raw source code and compiled as root user onto the system.

Students should understand the basics of UNIX/Linux including: a file editor, navigating the file system, logging in and out, and managing processes.

The instructor, Scott Krone, began technical training with software instruction at Texas Instruments in the early 1980s, followed by seven years at IBM where he developed and taught Local Area Networking classes for Hardware Support and Management personnel. Mr. Krone also supported mainframes, then AIX, at IBM. He has worked as a Systems Engineer at LanTech, Inc. designing and installing Local and Wide Area Network solutions and working as a Trainer and Webmaster. He is currently a consultant for Linux-based IT solutions, as well as, Audio Visual installations, support, and troubleshooting.

The course is scheduled Tuesday evenings, April 13 through May 11, 2004 from 6:00 p.m. a.m. to 9:00 p.m. at CU at Interlocken at Level 3 Communications in Broomfield, Colorado. The course fee is $995. Students who successfully complete the course may earn 1.5 Continuing Education Units.

REGISTRATION
Registration forms for engineering courses are posted on our web site at www.cudenver.edu/engineer/cont, linked to the respective course. You may mail or fax them to our office. We can also bill your employer if you attach a purchase order to your registration. Register by phone by calling 303-556-4907. Please have a credit card number ready.
Who Ya Gonna Call?

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<td>President-Elect</td>
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<tr>
<td>Career Guidance</td>
<td>Tina Lamers</td>
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<td></td>
<td>Erica Messinger</td>
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<tr>
<td>Certificates of Merit</td>
<td>Faith Kay</td>
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<tr>
<td>Endowed Schol. Fund</td>
<td>Jill Tietjen</td>
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<tr>
<td>Essay Contest</td>
<td>Katheryn Coggon</td>
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<tr>
<td>Family Issues</td>
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<tr>
<td>Fund Development</td>
<td>Kitty Wang</td>
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<tr>
<td>GS Mile High Council</td>
<td>Diana Dede</td>
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<td>GS Mtn. Prairie Council</td>
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<tr>
<td>Investment</td>
<td>Jill Tietjen</td>
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<tr>
<td>Job Bank</td>
<td>Nancy Nicholson</td>
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<td>Membership</td>
<td>Tracey Whaley</td>
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<tr>
<td>Newsletter</td>
<td>Tricia Schwaller</td>
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<tr>
<td>P.O. Box</td>
<td>Sandra Scanlon</td>
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<tr>
<td>Professional Development</td>
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<tr>
<td>Programs Coordinator</td>
<td>Isobel Parker</td>
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<tr>
<td>Publications Coordinator</td>
<td>OPEN</td>
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<tr>
<td>Scholarship</td>
<td>Barbara Kontogiannis</td>
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<td>Mary Ann Tavery</td>
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<tr>
<td>Science Fair</td>
<td>Gina Holland</td>
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<tr>
<td>Section 50th Anniversary</td>
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<tr>
<td>Speakers Bureau</td>
<td>Kim Sawyer</td>
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<tr>
<td>Student Section Coord.</td>
<td>Heather Doty</td>
</tr>
<tr>
<td>Web Page Master</td>
<td>Chris Kruse</td>
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<td></td>
<td>Krisha Brooks</td>
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<tr>
<td>CO School of Mines</td>
<td>Lori Stucky</td>
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<tr>
<td>CSU</td>
<td>Lucy Burris</td>
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<tr>
<td>Metro State</td>
<td>Cheryl Signs</td>
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<td>CU Boulder</td>
<td>Aditi Kapoor</td>
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<tr>
<td>CU Denver</td>
<td>Jennifer Trotta</td>
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<tr>
<td>U of Denver</td>
<td>Jennifer Halstead</td>
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<tr>
<td>U of Wyoming</td>
<td>Judy Nelson</td>
</tr>
<tr>
<td>U of Southern Colorado</td>
<td>Jane M. Fraser</td>
</tr>
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<td>(Pikes Peak Section)</td>
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<table>
<thead>
<tr>
<th>SWE Reps</th>
<th>Name</th>
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<tbody>
<tr>
<td>CEC (CO Eng’g. Council)</td>
<td>Jackie Schirmer</td>
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<tr>
<td>CWLC (Colorado Women</td>
<td>Faith Kay</td>
</tr>
<tr>
<td>Leadership Coalition</td>
<td>Kristy Schloss</td>
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Please send e-mail to Schwall@worldnet.att.net with corrections.
## Calendar of Events

For complete details, directions, and more, visit the RMS website calendar.

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>March 18, 2004</td>
<td>SWE-RMS Meeting, 5:30 p.m., Merrick and Company</td>
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<tr>
<td>April 16–17, 2004</td>
<td>NCEES Exams – April 16 (PE, PLS), April 17 (FE, FLS)</td>
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<tr>
<td>April 21, 2004</td>
<td>SWE-RMS Meeting and Networking Night, 5:30 p.m., CB &amp; Potts, Westminster, CO</td>
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<tr>
<td><strong>May 2, 2004</strong></td>
<td><strong>Deadline for SWE-RMS May/June 2004 Newsletter (anticipated release date: May 31)</strong></td>
</tr>
<tr>
<td>Week of May 3, 2004</td>
<td>SWE-RMS Awards and Recognition Event (Details TBA)</td>
</tr>
<tr>
<td>May 19, 2004</td>
<td>Professional Development seminar with Lisa Woodward of CDPHE</td>
</tr>
<tr>
<td>May/June 2004</td>
<td>“Petticoats and Slide Rules” comes to our section!</td>
</tr>
<tr>
<td>June 25, 2004</td>
<td>SWE-RMS Membership Picnic (Details TBA)</td>
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<tr>
<td>July 3, 2004</td>
<td>Deadline for SWE-RMS July/August 2004 Newsletter (anticipated release date: July 31)</td>
</tr>
<tr>
<td>September 3, 2004</td>
<td>Deadline for SWE-RMS September/October 2004 Newsletter (anticipated release date: Oct. 4)</td>
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<tr>
<td>October 13-16, 2004</td>
<td>SWE National Conference, Milwaukee, Wisconsin</td>
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<tr>
<td>October 29-30, 2004</td>
<td>NCEES Exams – October 29 (PE, PLS), October 30 (FE, FLS)</td>
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<tr>
<td>March 4-5, 2004</td>
<td>SWE Region I Conference, University of Kansas, Lawrence, KS</td>
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<tr>
<td>November 2-5, 2005</td>
<td>SWE National Conference, Anaheim, California</td>
</tr>
<tr>
<td>October 11-14, 2006</td>
<td>SWE National Conference, Kansas City, Missouri</td>
</tr>
</tbody>
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Society of Women Engineers  
Rocky Mountain Section  
P.O. Box 260692  
Lakewood, CO 80226-0692

www.swe-rms.org