Fall 2003 Mini-Conference
November 8, 2003

What: A Mini-conference to explore opportunities for our careers, network with other professionals and students, and have fun meeting with each other.

Professional session topics to include “Smart Women Finish Rich”, Panel Discussion on the Needs of minority/female students and ways to Encourage Students especially in math/science, How to Participate in Federal Procurement Opportunities, and Security for Businesses and how to deal with the threat of Identity theft.

Engineering Student Track to include What is Interning, Co-oping, and What to Expect in an Interview, “Smart Women Finish Rich”, Strategies for Combining Career and Family, and a Panel discussion of Professional Members and their Work Projects.

Who: Members and interested non-members of the Society of Women Engineers, Rocky Mountain Section

Engineering students at the various universities in Northern Colorado and Wyoming

High School Students in the metro area are invited to an outreach program for the afternoon, limited to 30 students.

Where: University of Colorado at Denver, Auraria campus

When: Saturday, November 8, 2003

Registration at 9:45 AM and program to start at 10:00 AM

Program to conclude at 3:15 PM with a networking session until 4:00 PM

Lunch for all professional and engineering student participants will be provided.

Costs: Professional Member – $25
Professional Non-member - $35
Engineering Student Member - $10
Engineering Student Non-member - $15

There will be no charge for the high school outreach.

Registration materials will be mailed in early October.

Inside This Issue

Letter from the President .........................................2
A Note from the Editor.............................................2
Subscribe to SWE-RMS Email.................................2
Volunteer for 50th Anniversary..............................2
Panel Members Needed at UCD............................2
Celebrating Our Anniversary...............................3
Note on Section Elections .......................................3
Scholarship Update .............................................3
Sept. 20th Planning Meeting.................................3
Exploring Engineering and Technology Event..4
October Meeting in Northern Colorado,
Thursday, Oct. 23.................................................5
Internships Next Summer?......................................5
SWE 2003 Conference in Birmingham.................5
Call for Nominations for FY05 Society Officers 5
New Faces of Engineering 2003..........................5
Member Profile: Valerie Heaton............................6
“Technology Driven Woman” and Girl Scouts..7
Girl Scouts Council Elects Tietjen as
Chairperson of Board.........................................7
Physicist Virginia Lincoln Dies............................7
*** Member Ads ***.............................................8
University of Colorado at Denver Continuing
Engineering Education Program Fall 2003......9
Geometric Dimensioning and Tolerancing.....10
Who Ya Gonna Call?...........................................11
Calendar of Events............................................12
Letter from the President

Kids back in school, cooler weather, and the 2003 SWE National Conference rapidly approaching…..must be September! The SWE-RMS section has completed half of the strategic planning for the year, with a full plan scheduled for the end of this month. We have an active and exciting year in the works! Hopefully by the time this reaches you, we will have been able to hold elections. We apologize for the late elections, but we had a little delay in filling the nomination slate.

We hope you put the 3rd Annual SWE-RMS Student and Professional Mini-Conference on your calendar for November. There are going to be many interesting speakers and panels! Many thanks to Heather Doty and Diana Dede for their hard work on the Mini-conference, and especially for getting it organized in time to be held this fall. We are expecting a good turnout!

We are in need of a volunteer to plan a spring event for the SWE-RMS Past Presidents to coincide with Engineers’ Week. There are already some ideas for the event, and planning should not be very complicated. If you are interested, please contact me at jenniferh8@aol.com or 720-870-6749.

One last item for your calendars….we are planning a reunion picnic for the 2001 Conference Committee and volunteers sometime in June 2004. We would love to see everyone there now that we have hopefully all recovered!!

Enjoy the beautiful fall weather and go see the aspen leaves when they turn colors!

Sincerely,

Jennifer Halstead (and Velvet - CCI puppy # 2)

A Note from the Editor

SWE-RMS has many events going on this year. Please read the newsletter for more information and participate!

This issue features Valerie Heaton in our member profile. Thanks, Val, for participating! If you have a member you would like featured in this section, please let me know.

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

Tricia Schwaller
Newsletter Editor

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

Make sure nothing else is in the file.

To sign off from the list, email listproc@lists.colorado.edu with the following request:

signoff SWE-RMS or unsubscribe SWE-RMS

Volunteer for 50th Anniversary

The new year brings our Section’s 50th anniversary. This month we will begin a year long celebration of the 50th Anniversary of the Rocky Mountain Section, initially called the Denver Section. We are in need of volunteers who would like to focus on the history of the Section and put together an article for each newsletter in FY04 (4 more total) covering the history of the Section, create a traveling display to be showcased at meetings, and plan a celebration party in June 2004. We have 5 boxes of archive materials covering the Section’s activities, etc. If you would like to be a part of this exciting once in a lifetime celebration, and/or you are interested in writing ONE article on the history of the section for the newsletter, please contact Jennifer Halstead ASAP.

Panel Members Needed at UCD

The University of Colorado at Denver student section is looking for speakers for an informal panel on Tuesday, September 23rd at 7:00 pm on the Auraria campus. Please contact their section president, Tara McFarland, at tcmcfarl@ouray.cudenver.edu if you are interested in participating.
Celebrating Our Anniversary

I am very excited to be involved with SWE as we are closely approaching our Rocky Mountain Section’s 50th Anniversary!! Wow, from 1954 with only 8 members to 2004 with 104 members, we have created one fantastic organization.

The most interesting thing that caught my eye while browsing through the SWE archives was that a very active SWE member, Connie Hauser, who wrote for the Rocky Mountain Section newsletter from its start in 1968-69 to 1977, used to slip in puns. Here are two: “Don’t count your boobies until they hatch” and “A pink elephant is a beast of bourbon.” (Can anyone help with that last one? I’m sure it’s funny, but I don’t get it…?) Growing up, we had a rule at my house: No puns at the dinner table. My dad loves to tell bad puns. Now I hear them and think fondly of him. Are puns in the newsletter a SWE tradition we need to revive? Say yes!

Back to the SWE archives…

SWE-RMS grew steadily in the early years and hosted its first National Convention in June 1963 (64 attendees), and then again in June 1976 (285 attendees) in which Connie Hauser, famous punster by now, served as chairman. The 1976 convention theme was “Reach for the Skies,” and talks included “U.S. Technology After the Year 2001” (that would be interesting to hear now!) and “The Viking Mission to Mars.” At the convention, SWE members got to actually see one of the Viking Landers during a tour of facilities south of Denver. The archives are filled with many nostalgia-provoking handwritten thank-you letters to Connie for the convention - it was apparently a hit. And most recently, we in Denver had the highest attendance of any SWE National Convention in June 2001 with 3000 attendees. Well done, ladies.

Well, more history to come in the next newsletter, and I hope you join me this year in celebrating our anniversary – it’s going to be a great one! And I promise, I’ll never be… your beast of bourbon ;) A pun even my dad would appreciate!

Submitted by Isobel Parker

Scholarship Update

We have made a few changes to the scholarship program this year. Scholarship applications for 2004-2005 academic year awards will be due February 1, 2004, rather than in March as in the past. This will enable us to move the awards luncheon or dinner to May, before school is out and the various award winners (and SWE members!) are off participating in their summer activities. Applications will be going out to the schools a month earlier. The applications will also be available on our SWE-RMS website in September.

We have increased the amount of our SWE-RMS endowed scholarships to $1000 each. There are three endowed scholarships in the names of Lottye Miner, Dorolyn Lines, and the Pioneer Scholarship in memory of three pioneering women engineering graduates of the University of Colorado: Hilda Counts Edgecomb, Elsie Eaves, and Lou Alta Melton Merrill. The endowed scholarships are for college students already studying engineering or computer science at a university in Colorado or Wyoming.

There will be two freshman scholarships of $500 each, available for students graduating from a high school in Wyoming or Colorado (excluding zip codes 80800-81599, which are covered by the Pikes Peak Section). One of the scholarships will be awarded to a student from a small, more rural school.

If you know of a young woman interested in studying, or already studying, engineering or computer science, please encourage her to apply for one of the SWE-RMS scholarships.

With the change in the application deadline, I’ll also be looking for volunteers to evaluate scholarships in February and March. If you have any questions about the program, please call Barb Kontogiannis at 303-791-6118.

Sept 20th Planning Meeting

Please join us for a SWE-RMS meeting on Sept. 20th to complete our annual strategic planning. This meeting will be held from 9am to noon at Rockwell Automation, 500 Golden Ridge Road, Golden (same as last month).

Hope to see you there! Please RSVP to Jennifer Halstead at jenniferh8@aol.com or 720-870-6749.

Note on Section Elections

For those of you who are wondering about elections, they have not been held yet this year because we have been completing the nomination slate. We should be holding elections very shortly, so thank you for your patience.

Submitted by Isobel Parker
The Society of Women Engineers (SWE) invites female middle school students who are interested in science, math, and technology to participate in the 2nd Annual Exploring Engineering and Technology event, Monday, February 23, 2004, 9:00 a.m. - 1:00 p.m. at the Adam’s Mark Hotel, Denver. This event is being held as part of National Engineers Week and will support the “Introduce a Girl to Engineering” Program. It is free to all participants, but space is limited.

The Issue: Girls of today are presented with gender biases and stereotypes that sometimes steer them away from careers or interest in the fields of math, science, engineering, computers and technology. We are working to change that reality. A coalition of organizations and businesses has come together to provide a space for girls to explore, to question, to do, and to learn. We want girls to walk out of this event inspired by the wonders of technology, and inspired by the incredible people who hold positions in those fields today.

We will provide a guide, for each group of 10-15 girls, who will escort them throughout the event, talk with them, and help them in the workshops. This interaction will give the students an excellent opportunity to learn and practice networking skills. Students will also obtain information on real life applications of engineering, as well as witness other professional women who chose a career in the field of math, science, engineering, computers or technology.

The Welcoming and Opening Remarks will set the stage for what the girls can expect to accomplish and enjoy throughout the day. Three Interactive Workshops will focus on hands-on displays and demonstrations of various areas of science, engineering and technology. Lastly, at Lunch, everyone will convene for closing remarks and raffle prizes. Each student will leave with a bag full of information on careers in engineering and technology, information on necessary courses to take in high school, scholarship and career guidance information from local minority and engineering organizations, as well as other give-aways.

Registration information will be available in October 2003. Due to space and funding constraints, our goal is to accommodate 1000 student registrants and 75 chaperones and is subject to change. Students may not be dropped off at the event. Students must be part of a school group or accompanied by an adult.

Any correspondence or queries related to this program may be directed via e-mail to sandra.scanlon@swe.org, by phone at (303) 973-7099, or by fax at (303) 932-7687.

For the most current information on this event, please visit our web site often for updates at http://www.swe.org/SWE/RegionI/Sections/RockyMtn/swerms.html.
October Meeting in Northern Colorado, Thursday, Oct. 23

What: A tour of the Hydraulics Laboratory at Colorado State University, given by one of the research engineers working there. The lab conducts research on the effects of water features such as lakes and rivers on other materials, such as river banks, piers and dams. For some projects, they build small scale models of the area being studied. This group does really interesting research, which we'll be able to see in action during the tour! See http://www.engr.colostate.edu/~thornton/ for more details on the lab. The tour will be one hour, and then we'll move on to drinks and/or dinner in Old Town, for those interested. Please note: as a safety requirement, everyone must wear closed-toe shoes.

Who: All SWE Rocky Mountain Section members and anyone interested in learning more about SWE. Friends and family members are welcome. Max group size is 25.

Please RSVP by Monday, 10/20, to Tina Lamers (kristina_lamers@agilent.com).

When: Thursday, October 23rd at 4pm

Where: Meet at 4pm in the lobby of the Engineering Research Center at CSU's Foothills Campus

Directions: In Fort Collins, travel west on LaPorte Ave. past Overland Trail. The Engineering Research Center is on the left, across LaPorte from the Fort Collins Water Treatment Plant. If you're coming from outside of Fort Collins, take the Prospect Rd exit from I25, and head west until you come to Overland Trail. Then turn right (north) on Overland to LaPorte, and go left (west) on LaPorte. The Engineering Research Center will be on the left.

Internships Next Summer?

I have been working as an email mentor with a woman from Michigan for the past two years through the MentorNet program. She has worked as an engineering intern in the midwest for the past two summers, but has always been interested in exploring the west. She asked if I knew of any internships in the area for next summer. She is an ME/product design major and will be finished with her third year of college by next summer.

Carol J. Pollard, P.E., Utility Engineer
cdollard@users.fm.colostate.edu
(970) 491-0151 (970) 491-6116 FAX

SWE 2003 Conference in Birmingham

The SWE Conference is just weeks away and programming is changing every day. Make sure you check the website for the latest and greatest about the conference sessions, social events, networking activities, career fair and technical exhibits...and you can sign up on-line! Just click here http://www.swe2003.org.

Call for Nominations for FY05 Society Officers and Trustees

It is time to begin thinking of potential candidates for FY05 Society Officers, Board of Directors, and Trustees. The deadline for submitting recommendations is October 1, 2003. Under the existing by-laws, SWE officer candidates must have served at least one year as a section or member-at-large representative, or as a section president. A candidate for president-elect must be either a senior or a fellow member of SWE. Please review the skills, leadership characteristics, interests, and SWE experience of your section, region, or committee members. For more information and recommendation forms, visit http://www.swe.org/volunteerlibrary.

New Faces of Engineering 2003

New Faces of Engineering 2003 is a Recognition Program sponsored by National Engineers Week. Once again SWE is seeking qualified candidates for recognition in New Faces in Engineering. This year SWE has the opportunity to select one (1) TOP Candidate and four (4) Runners-up. The deadline for nominations is October 10, 2003.

Young rising stars in the engineering profession will be featured prominently during National Engineers Week 2004, 22-28 February. The "New Faces of Engineering" program spotlights the vitality, diversity, and contributions of the profession's youngest engineers. For more information, go to http://www.eweek.org/site/News/Eweek/2004_nomination.shtml.

If you would like to be nominated, please visit the web site above and submit your information to SWE HQ and be sure to state that you are from the Rocky Mountain Section.

The 2002 New Faces honorees may be viewed at http://www.eweek.org/site/Engineers/newfaces/index.shtml. SWE's runners-up from last year can be viewed at http://www.eweek.org/site/Engineers/newfaces/SWE.shtml.
Member Profile: Valerie Heaton

Full name: Valerie Kaye Farr Heaton

City of residence: Littleton

Family: Married to Kevin Heaton for 16 years. We have a son, Justin who is 14 years old and a daughter, Emily who is 11 years old.

How long have you been a member of SWE? 11 years

How did you become involved in SWE?

I attended Northern Arizona University and joined the SWE chapter during my first year of engineering school.

What positions have you held?

I was the NAUSET (Northern Arizona University Society of Engineering Technologies) Representative for two years while I was in college. Since graduation in 1996, I worked on the National Conference on the Technical Papers Committee.

What have you enjoyed most about SWE? Why?

I think what I have enjoyed most about SWE is the opportunity to associate with other women engineers.

What is your current occupation/title?

Until May, I was the US Construction Engineer for a general contracting company in Denver. I am now starting my own consulting business, dealing mainly in Civil/Construction Management.

Additionally, I am a Mary Kay Independent Beauty Consultant. For the past three years, I have owned and operated a photography business called Accent PhotoGraphics. I specialize in Senior Portraits, Family Portraits and Weddings.

How did you get to that position?

I worked for the same general contracting company for the past seven years, since I graduated from NAU. I started with them as a junior estimator. After a year, I transferred to a field position working on the Douglas County Justice Center. I was then moved into my final position as US Construction Engineer. I was able to obtain this position through my educational experience, estimating experience, field engineering experience and computer expertise.

What was your college training?

I had a difficult time deciding what I would like to study. I changed majors several times, got married and had two children and then finally decided that I wanted to be an engineer. I graduated with a BS in Civil Engineering and with a Minor in Art Education.

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

It was actually a combination of my college education and my co-op position. I served a two-year cooperative education internship with a mining company. Most of my duties dealt with using different computer programs to update the mines operations each month. I have found that by being ‘computer literate’ has helped me in each position that I have obtained.

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

Know who you are and what is important to you. Do you know what type of company you want to work with? Because you spend so many hours working, you want to find a place where you are comfortable and more importantly, where you enjoy what you are doing!

Hobbies/interests:

I love photography, so much that I started my own business so that I could afford the cameras that I wanted! I also like crafts: tatting, beading and helping my children with their crafts. One of the activities that I enjoy is reading. I’m sort of eclectic in my choices; mysteries, westerns, science fiction and general fiction.

Anything else you would like to add...

Business Websites:

http://www.accentphotographics.photoreflect.com
http://www.marykay.com/vheaton

Newsletter Sponsor

We thank Washington Group International, Inc., for their support in printing and mailing the SWE-RMS newsletter.
Girl Scouts Mile Hi Council recently received a $3,000 donation as a result of Kristy A. Schloss being named the Subaru 2002 Technology Driven Woman of the Year, co-sponsored by NEWS4 and the Women’s Foundation of Colorado.

As the Technology Driven Woman of the Year, Schloss received $1,000 from Subaru of America to be donated to the charity of her choice that has a program focusing on women and girls and technology. Schloss chose Girl Scouts – Mile Hi Council, where she is a Woman of Distinction and a former board member. Schloss is matching the $1,000 from Subaru with her own personal donation of $1,000. Mile High United Way has also joined the effort and is matching her award with an additional gift of $1,000, totaling $3,000 earmarked for our council’s technology badge program.

Schloss selected Mile Hi Council because of its dedication to teaching girls crucial survival skills for women in the 21st century – science, technology, engineering and math (STEM).

“Through working with female college students to earn STEM badges, I hope that girls will learn how fun engineering and technology can be,” said Schloss. “I want them to explore all of the exciting, rewarding career options that are available to them.”

Girl Scouts – Mile Hi Council Elects Tietjen as Chairperson of Board

Girl Scouts – Mile Hi Council delegates recently elected Jill S. Tietjen, P.E. as chairperson for their board of directors.

“Since joining the board in 1999, Jill has been a tireless advocate for Girl Scouting,” said Jean C. Jones, president/CEO of Girl Scouts – Mile Hi Council. “She is a remarkable role model for steering young women into male-dominated careers in math and science. Girls are drawn to her enthusiasm and her ability to make learning fun.”

Tietjen is a senior instructor at the college of engineering at CU-Boulder and an engineering consultant. In 2000, she founded a motivational speaking service called Technically Speaking, LLC. Her numerous leadership roles include serving as a past national president of the Society of Women Engineers and the first woman president of the Rocky Mountain Electrical League. She received the 2001 Women in Technology Award, and was recognized by Mile Hi Council as a Woman of Distinction in 1997.

Girl Scouts – Mile Hi Council is the 12th largest of more than 300 Girl Scout councils in the country, helping 36,000 girls grow strong while discovering the fun, friendship and power of girls together. The council provides an innovative, contemporary program designed to help all girls achieve their full potential by developing character, leadership, self-esteem and skills for success in the real world.
Physicist Virginia Lincoln Dies

Boulder physicist J. Virginia Lincoln, whose pioneering career earned her a place in the Colorado Women’s Hall of Fame, died of natural causes Friday at the Frasier Meadows Manor Health Care Center. She was 87.

Lincoln came to Boulder in 1954 as a physicist with the National Bureau of Standards, now the National Institute of Standards and Technology. When she was appointed chief of Radio Warning Services in 1959, she became the first woman to head a section in the federal bureau.

Also in 1959, she was the only woman in the official U.S. delegation to attend a meeting of the International Geophysical Year in the Soviet Union.

Later she was director of the World Data Center “A” for Solar Terrestrial Physics, part of National Oceanic and Atmospheric Administration in Boulder, and chief of data services for NOAA’s National Geophysical and Solar Terrestrial Data center.

Lincoln helped create a statistical method for predicting sunspots that it still used in forecasting solar storms, which can disrupt radio communication on Earth.

In 1973, she received the U.S. Department of Commerce Gold Medal for Distinguished Service. She was inducted into the Colorado Women’s Hall of Fame in 2000.

She was a past chair of the Denver Section of the Society of Women Engineers and was active in encouraging girls to study math and science.

“Girls have been told that those courses aren’t for them, and that’s been the problem” Lincoln told the Daily Camera in 1976.

She received a bachelor’s degree in physics from Wellesley College in 1936 and a master’s degree from Iowa State University in 1938.

After retiring in 1980, Lincoln enjoyed local cultural events, golf and travel, said her longtime friend Karen Murphy.

“She was very involved in organizations in Boulder, like the Boulder Historical Museum,” Murphy said.

Lincoln moved from her home on Alpine Avenue to an apartment at Frasier Meadows Manor in 1997.

Jenifer Smith, her caregiver, said Lincoln attended a concert of the Colorado Music Festival two weeks ago at Chautauqua.

Lincoln never married. She is survived by a nephew in Boston and a niece in Connecticut, Smith said. Her brother, Rush B. Lincoln, Jr., died last year.

A memorial service is planned for Thursday at St. John’s Episcopal Church in Boulder, but the time has not been scheduled. Howe Mortuary is in charge of arrangements.

As printed in the Sunday, August 3, 2003, Boulder Camera

*** Member Ads ***

Advertising from SWE-RMS members only will be accepted and published at no charge. Items may include your side business, “for sale” items, vacation rentals, pet adoptions, special event notices, whatever! All advertising requests must fit in a business card size space when printed in 10 pt. font and must be sent electronically to Schwall@worldnet.att.net by the newsletter deadline.

The Denver Concert Band performs the music of American composers on Saturday, November 15, at 7:30 p.m. at the Central Presbyterian Church, 1660 Sherman Street, Denver. The concert is free. For more information, call 303-83-MUSIC, or visit www.denverconcertband.org.

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 new holiday product is now available, and the Spring and Summer 2003 product will be retired on Sept 30th this year! So order now if you loved the Spring and Summer lines! Have a party, if you would like to get your favorites for free!!

Jennifer Halstead
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720-870-6749 or Jenniferh8@aol.com

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Fall 2003

JAVA Programming Leading Toward Sun® Certification is an introduction to Java, the in-demand object-oriented programming language from Sun Microsystems. In the process of learning Java, students will be introduced to basic concepts of object-oriented programming. With this course, students will have a solid introduction to the programming language constructs of Java and the core libraries that come with Java: java.lang, java.util, java.awt, java.net, and java.io. Armed with this knowledge, students will be poised to develop the next generation of web-based applications and prepared to take the Sun Certified Java Programmer 1.4 exam. The course is scheduled Tuesday evenings, September 2 through December 16, 2003, 5:30 p.m. to 8:30 p.m. at CU at Interlocken at Level 3 in Broomfield or Saturdays, September 6 through November 15, 2003. The course fee is $1,275. Students who successfully complete the course will earn 3 undergraduate credit hours.

Managing Technology Projects: Preparing for Certification as a Project Management Professional (PMP®) will provide students involved in executing technology projects with the skills necessary to manage those projects. Emphasis will be on techniques for the challenges presented by technology projects. The Project Management Institute’s A Guide to the Project Management Body of Knowledge forms the foundation for the course material and the course constitutes a thorough review of the material covered by the examination for certification as a Project Management Professional (PMP®). For students pursuing certification, this course is best suited for those already involved in project management and within one year of accumulating 4500 hours of project management experience. For further information, consult the Project Management Institute web page at www.pmi.org. The course is scheduled Tuesday evenings, September 2 through December 16, 2003, 6:00 p.m. to 9:30 p.m. on the Auraria campus in downtown Denver. The course fee is $1,995. Students who successfully complete the course will earn 5.6 Continuing Education Units.

The Wireless Networking Certification Track (CWNA) Track is a blended (Online/Classroom) IT certification program. In the program, students will prepare two leading industry certifications: CompTIA’s Network+ and Planet 3 Wireless CWNA. With this accelerated program students do their preparation study online each week. They also meet in our computer lab for the hands-on application of their learning led by our industry expert instructor. The course is scheduled Thursday evenings, September 11 through November 13, 2003, 5:30 p.m. to 9:30 p.m. at CU at Interlocken at Level 3 in Broomfield. The course fee is $2,995. Students who successfully complete the course will earn 8.0 Continuing Education Units.

Web Site Design and Publishing - Level 1 will teach students how to design and publish their own web page in three Saturdays! This beginning course will take non-technical students with little or no technical background from designing a basic web page to using Web page editors and graphics software to publishing their work on an Internet server. For examples of student work, go to: http://carbon.cudenver.edu/stc-link The course is scheduled Saturdays, October 4 through October 18, 2003, 9:00 a.m. to 4:00 p.m. at CU at Interlocken at Level 3 in Broomfield. The course fee is $225. Students who successfully complete the course will earn 1.8 Continuing Education Units.

Western Water Rights and Water Engineering is designed for people interested in water resources. This three week, 16-hour course is designed for people interested in water resources. This course will emphasize Colorado water rights, but examples from other western states will be included. Students will acquire valuable information in each of the following areas:

- The development of the water rights doctrine
- Water Institutions in Colorado
- Water rights changes, transfers, administration, and plans for augmentation
- The implications of the above factors for water resource management

The course will be taught from a professional engineering point of view not a legal perspective. The course is scheduled Tuesday and Thursday evenings, October 21 through November 6, 2003, from 5:30 p.m. to 8:10 p.m. on the Auraria campus in downtown Denver. The course fee is $495. Students who successfully complete the course will earn 1.6 Continuing Education Units.

Explicit Consideration of Safety in Highway Design is a hands-on, four-week course that offers a methodological foundation and an analytical framework for the explicit consideration of safety in geometric design of highways. It provides a practical approach to solving a complex problem of road safety by integrating elements of geometric design, traffic operations, statistics, and risk analysis. Students taking the course will gain a comprehensive understanding
of the relationships between geometric design and road safety, safety performance of various roads and junctions, principles of diagnostics and pattern recognition, benefit cost analysis, and optimization strategies. Throughout the course, numerous real life case histories will be used to illustrate the application of the introduced concepts. The course is scheduled Monday evenings, **November 17 through December 8, 2003**, 5:30 p.m. to 9:30 p.m. on the Auraria campus in downtown Denver. The course fee is $495. Students who successfully complete the course will earn 1.6 Continuing Education Units.

Call Continuing Engineering Education at 303-556-4907 or toll free 1-877-859-7304 for more information. Visit [www.cudenver.edu/engineer/cont](http://www.cudenver.edu/engineer/cont) for course details and online registration forms.

**Geometric Dimensioning and Tolerancing at UCD**

The University of Colorado at Denver's College of Engineering and Applied Science Continuing Engineering Education Program has scheduled another section of **Geometric Dimensioning and Tolerancing** to meet the emerging educational needs of the product development and mechanical engineering community.

**Geometric Dimensioning and Tolerancing** introduces the concepts of Geometric Dimensioning and Tolerancing based on the ASME Y14.5 M - 1994 Standard. This two-day course consists of lectures and exercises using state of the art measuring equipment, problem solving, and case studies. The objective is to provide participants with the hands-on skills needed for the immediate application of GD&T concepts to engineering specifications. The course is scheduled two consecutive Fridays, **September 12 and 19, 2003**, 8:00 a.m. to 5:00 p.m. at CU at Interlocken at Level 3 Communications in Broomfield, Colorado. The course fee is $495. Students who successfully complete the course will earn 1.6 Continuing Education Units.

**Rafael Sanchez, Ph.D., P.E.** is the instructor for **Geometric Dimensioning and Tolerancing**. Dr. Sanchez is an Associate Professor in Mechanical Engineering at the University of Colorado at Denver (CU-Denver). He has 14 years of experience in academia and industry in the areas of design and manufacturing. Dr. Sanchez has given seminars to industry and has introduced and taught GD&T undergraduate and graduate courses at CU-Denver.

Call the CU-Denver Continuing Engineering Education Program at 303-556-4907 for more information or to register. A course outline and registration forms are posted at: [www.cudenver.edu/engineer/cont](http://www.cudenver.edu/engineer/cont).

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Calendar of Events

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<tr>
<td>September 20, 2003</td>
<td>SWE-RMS Strategic Planning, Rockwell Automation in Golden, 9 a.m. – Noon</td>
</tr>
<tr>
<td>October 8-11, 2003</td>
<td>SWE National Conference, Birmingham, Alabama</td>
</tr>
<tr>
<td>October 23, 2003</td>
<td>October Meeting in Northern Colorado: Tour of Hydraulics Lab at CSU (Details on page 5)</td>
</tr>
<tr>
<td>October 24-25, 2003</td>
<td>NCEES Exams – October 24 (PE, PLS), October 25 (FE, FLS)</td>
</tr>
<tr>
<td>November 2, 2003</td>
<td><strong>Deadline for SWE-RMS November/December 2003 Newsletter (anticipated release date: Dec. 1)</strong></td>
</tr>
<tr>
<td>November 8, 2003</td>
<td>SWE-RMS Mini-Conference (Details on page 1)</td>
</tr>
<tr>
<td>January 4, 2004</td>
<td>Deadline for SWE-RMS January/February 2004 Newsletter (anticipated release date: Jan. 30)</td>
</tr>
<tr>
<td>Week of Jan. 12, 2004</td>
<td>New Year’s Holiday Event (Details TBA)</td>
</tr>
<tr>
<td>February 20 – 21, 2004</td>
<td>SWE Region I Conference, Colorado Springs, Colorado</td>
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<tr>
<td>February 23, 2004</td>
<td>Exploring Engineering and Technology Event (Details on page 4)</td>
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<tr>
<td>March 1, 2004</td>
<td>Deadline for SWE-RMS March/April 2004 Newsletter (anticipated release date: March 29)</td>
</tr>
<tr>
<td>April 16–17, 2004</td>
<td>NCEES Exams – April 16 (PE, PLS), April 17 (FE, FLS)</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>2001 Conference Committee Reunion Picnic (Details TBA)</td>
</tr>
<tr>
<td>October 13-16, 2004</td>
<td>SWE National Conference, Milwaukee, Wisconsin</td>
</tr>
<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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