



**The next ASQ Boulder Section meeting will be held on Thurs, May 26<sup>th</sup> at the Covidien / Boulder facility with tutorial starting at 5:30pm and the main talk at approx 6:20pm. Please see page 3 for more details.**

**MAY CHAIR MESSAGE**

As another ASQ Section 1313 fiscal year draws to a close, I would like to personally thank each of you who has contributed to the success of our section. Your contributions have come through your attendance, response to surveys, being a speaker, and contributions as part of the leadership team. We will take your inputs from surveys to continually improve our speaker topics in the coming year.

Moving forward, we must have your support and involvement to be successful. There is a core group of people who have been and continue to support our section on the leadership committee. We need your engagement. Our next meeting is scheduled for Thursday, May 26th, 5:30PM - ~8PM at Covidien. We will be conducting our officer elections at this time. Technically, all elected positions are open at this time as we must vote to fill each position again for the coming year. The average time commitment for any of the positions ranges between 0.5 hours - ~4 hours per month. Remember that being part of the leadership team also provides an added opportunity for adding to your recertification units (RUs) for your ASQ certification renewal. Without increased member engagement, our section cannot continue to provide the services that it does for meetings with pertinent topics, educational opportunities, Saturday examinations, etc. We are a volunteer organization.

I know I have spoken with a few of our members with respect to becoming part of the leadership committee. Please consider this opportunity as part of your professional growth plan for the next year. You may contact me with any questions that you may have at [rebeccajessep@hotmail.com](mailto:rebeccajessep@hotmail.com) or 303-587-7067.

Sincerely,  
Rebecca Jessep, ASQ Section 1313 Chair

**ASQ'S Customer and Member Center:**

**E-MAIL:** [help@asq.org](mailto:help@asq.org)  
**PHONE:** 800-248-1946  
**FAX:** 414-272-1734  
**USPS** ASQ Communications  
**MAIL:** 600 N. Plankinton Ave.  
P.O. Box 3005  
Milwaukee, WI 53201-3005

We suggest that you go to the ASQ National website at: [www.asq.org](http://www.asq.org) for complete ASQ national news, regional event links, books, courses, yearly certification testing, re-certifications, conferences, ASQ Divisions and on-line membership forms, including member upgrades and what is needed to update your own member profile. And, while you are on the internet, be sure to visit **ASQ Boulder Section website** at: [www.asq1313.org](http://www.asq1313.org)

Did You Know? ASQ Divisions and Sections offer approx. 70 scholarships, some of which go untapped due to limited number of student applicants.

**ASQ National News**

**Adding More New Voices**

In an effort to raise the voice of quality, ASQ is asking another random group of 20,000 ASQ Fellow, Senior and Full members to take part in the *Adding New Voices* Program before May 31, 2011. Someone you know can become an ASQ member for six months, and it won't cost them anything! More than 3,000 ASQ members have already participated in *Adding News Voices*, helping us to add nearly 3,000 new members. If you are selected, don't miss out on your chance to say thank you to someone in the world of quality and to add a new voice to ASQ's network of quality champions.

news continued on page 4

**ASQ #1313 Officers & Committee Chairs 2009-10**

<p><b>ASQ Section 1313 Boulder, CO</b></p>		<p><b>Title: Newsletter Editor</b> Name: Gerry Naugle Phone: 303-591-2830 e-mail <a href="mailto:gnaugle@earthlink.net">gnaugle@earthlink.net</a></p>	<p><b>Title: SMP</b> Name: Mike Ferraro Phone: 720-684-2035 E-mail: <a href="mailto:michael.a.ferraro@seagate.com">michael.a.ferraro@seagate.com</a></p>
<p><b>Title: Chair</b> Name: Rebecca Jessep Phone: 303-587-7067 E-mail: <a href="mailto:rebeccajessep@hotmail.com">rebeccajessep@hotmail.com</a></p>	<p><b>Title: Vice Chair</b> Name: Joe Wojniak Phone: 303-530-6581 E-Mail: <a href="mailto:joe.wojniak@yahoo.com">joe.wojniak@yahoo.com</a></p>	<p><b>Title: Certification</b> Name: Wells Lange Phone: 303-604-6694 E-mail: <a href="mailto:wellsolly@comcast.net">wellsolly@comcast.net</a></p>	<p><b>Title: Programs</b> Name: Guy Harris Phone: 303-470-7020 E-Mail: <a href="mailto:harrisgb@comcast.net">harrisgb@comcast.net</a></p>
<p><b>Title: Secretary</b> Name: Melinda Schones Phone: 303-359-5531 E-mail: <a href="mailto:mschones2002@yahoo.com">mschones2002@yahoo.com</a></p>	<p><b>Title: Treasurer</b> Name: Ewald Schelert Phone: 303-702-9009 E-mail: <a href="mailto:Schelert@mesanetworks.net">Schelert@mesanetworks.net</a></p>		
<p><b>Title: Re-Cert</b> Name: Larry Derouin Phone: 303-431-9287 E-Mail: <a href="mailto:LWDerouin@comcast.net">LWDerouin@comcast.net</a></p>	<p><b>Title: Internet &amp; Website</b> Name: Arnold Miller Phone: 303-466-2631 E-Mail: <a href="mailto:arn_miller@earthlink.net">arn_miller@earthlink.net</a></p>		
<p><b>Title: Publicity and VOC</b> Name: Byron Murray e-mail: <a href="mailto:byron.murray@yahoo.com">byron.murray@yahoo.com</a></p>	<p><b>Title: New Members</b> Name: e-mail:</p>		
<p><b>Title: Financial Auditing</b> Name: Wells Lange Phone: 303-604-6694 <a href="mailto:wellsolly@comcast.net">wellsolly@comcast.net</a></p>	<p><b>Title: Education Chair</b> Name: John Beachman Phone: 720-313-2746 e-mail: <a href="mailto:john.beachman@covidien.com">john.beachman@covidien.com</a></p>		

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SERVICES

## Upcoming ASQ #1313 Tutorial & Main Presenters as of: **May 14<sup>th</sup>, 2011**

**May 26<sup>th</sup>** Covidien/Boulder Building #2 5920 Longbow Dr., Gunbarrel Doors open at 5:30pm

**5:35 PM Tutorial:** Peter Baston, IDEAS "I" QA Inc, on: **"REAL" Quality Assurance for Software Managers and Administrators**

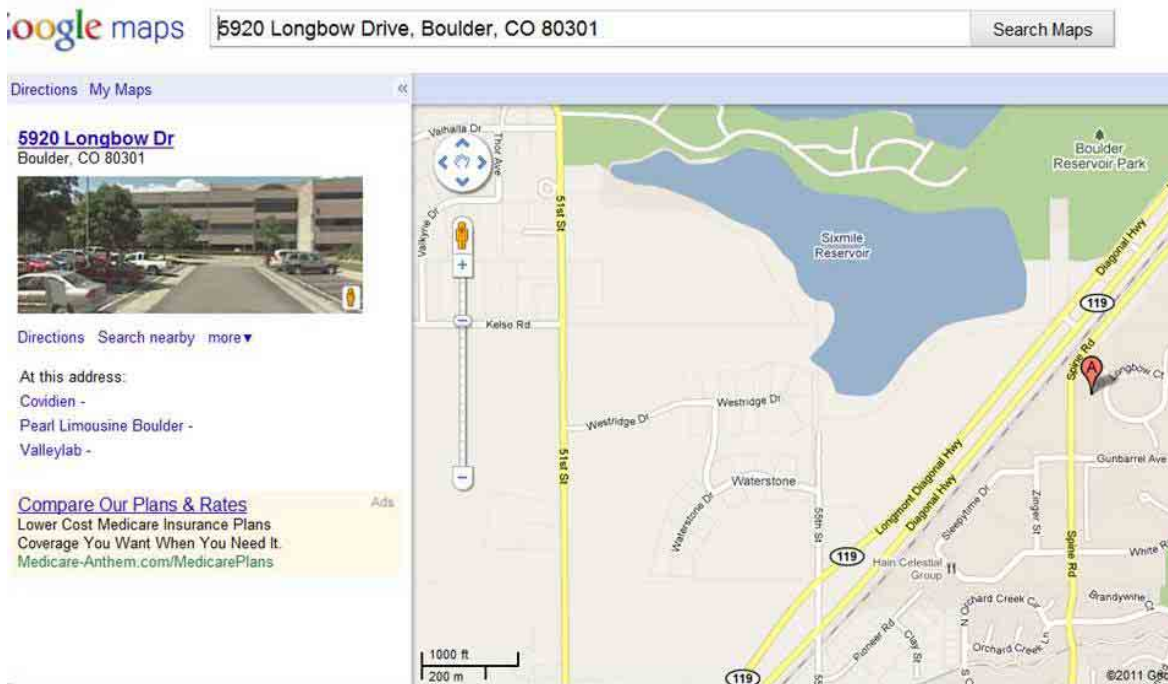
**6:20 PM Main Talk:** Dr. Ronald Vidano, AEI Corp. **"Electronic Access Control System Threat Tree Analysis"**

Abstract: "Usage of fault tree analysis (FTA) is extended to electronic physical access control systems. Current electronic access control systems using contactless readers and cards have potential threats including identifier data collisions, counterfeiting and cloning. Statistical probabilities are explored for each of the threats and analyzed using FTA methods. Results are compared for high and low security electronic access control systems and suggestions presented for improvements."

Biography: Dr. Vidano specializes in the development, qualification, selection, application, and operational field-testing of technologies to meet customer rapid equipment fielding requirements. Most recently, Dr. Vidano has been on assignment as Exponent's Lead Engineer embedded with the U.S. Army Rapid Equipping Force in Afghanistan in support of Operation Enduring Freedom. During his overseas assignment, he has led efforts to develop, implement, and train soldiers in radio location, communications, and alternative energy technologies. His 25+ year professional background includes basic research for solid state materials, developmental engineering of semiconductor materials, engineering design of low cost electronic packaging, engineering for antenna/RFIC/RFID products, integration engineering for RF systems, product engineering for high volume manufacturing, failure analysis and reliability engineering, and engineering management. Dr. Vidano earned his Ph.D. in Materials Science and Ceramic Engineering from the University of Washington, is a Registered Professional Mechanical Engineer in the State of Colorado, and is an American Society for Quality Certified Reliability Engineer.

**Tutorial:** Pete Baston on: "REAL" Quality Assurance for Software Managers and Administrators

Pete Baston is a Quality and Systems Engineer with 40 years experience in quality assurance, product development, systems engineering and project management. He has led troubleshooting and insurance company due diligence investigations in Africa, Europe and the U.S. After years as a turn around specialist for major US financial and VC companies who needed rapid understanding of complex technology issues, He put that experience to work to help a broad spectrum of companies strategically implement successful new business development. Pete has a passion for —doing it right in the real world— and a reputation for accomplishing the seemingly impossible.



**Parking & Entrance Instruction** Referring to the attached pdf. Please park in the semi – circle located in front to of building #2. You will enter here ( follow the signs). There will be a sign in table inside the foyer that will be staffed.

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**MBNQA** For info on the Malcolm Baldrige National Quality Award Program, visit [www.quality.nist.gov](http://www.quality.nist.gov)

**CPEX** For info on the Colorado Performance Excellence Program (Colorado State quality and business performance program), visit [www.coloradoexcellence.org](http://www.coloradoexcellence.org)

Contact: Executive Director, Mr. Tom Mauro [tmmauro@coloradoexcellence.org](mailto:tmmauro@coloradoexcellence.org) (or) at: 303-893-2739  
Please see [page 19](#) of this newsletter for the most recent information on upcoming 2011 CPEX activities and events. **The Boulder ASQ Section is a sponsor of the Colorado CPEX Organization.**

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## **ASQ National News**

[continued from page 1](#)

### **The Triple Bottom Line and Quality**

*ASQ Weekly* spoke with John Elkington, creator of the triple bottom line, who tells us how it fits with quality. He ties it all together with SR in [“Quality and SR: Tenuous Ties?”](#)

BONUS! This month's member gift is a free, comprehensive collection of social responsibility webinars that will teach you the essentials of SR through research, standards, books, and expertise, as well as other resources available from ASQ.

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### **Updates to ASQ Recertification Journal**

There are changes to the recertification journal categories, including more opportunities for RU credits, and the categories have been better de-fined to make recertifying easier. The 18 RU credit amount remains the same. To order a new journal, call the ASQ Customer Care at: **1-800-248-1946** and ask for item **B0525**



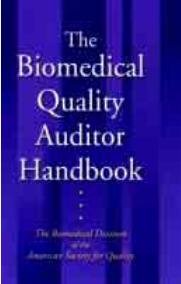
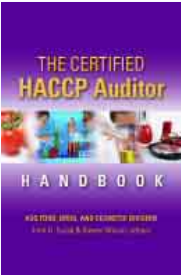
## Be prepared! Purchase your handbook NOW for the June exams!

Quality Press publishes a prestigious collection of certification handbooks to support quality professionals as they prepare for ASQ certification. Many of the titles listed below have been revised and are specifically designed to aid you in successfully completing your exam goals.

All ASQ Exams are **Open-Book!**

To view our complete list of publications visit our online bookstore:

[Welcome to the Quality Press Bookstore!](#)

<b>Revised Editions...</b>	
	<p><b><u>The Certified Quality Engineer Handbook, Third Edition</u></b> <i>Connie M. Borrer, editor</i></p> <p><a href="#">Click here for more information.....</a></p>
	<p><b><u>The Certified Six Sigma Black Belt Handbook, Second Edition</u></b> <i>T.M. Kubiak and Donald W. Benbow</i></p> <p><a href="#">Click here for more information...</a></p>
<b>Certification Exam Handbooks...</b>	
	<p><b><u>The Biomedical Quality Auditor Handbook</u></b> <i>ASQ Biomedical Division</i></p> <p><a href="#">Click here for more information...</a></p>
	<p><b><u>The Certified HACCP Auditor Handbook</u></b> <i>ASQ Food, Drug, and Cosmetic Division</i></p> <p><a href="#">Click here for more information...</a></p>

To update your contact information, or if you have questions for ASQ, please email [help@asq.org](mailto:help@asq.org).

**ASQ's Customer Care Center:**

**E-Mail:** [help@asq.org](mailto:help@asq.org)

**Phone:** North America: 800-248-1946 (United States and Canada only)  
Mexico: 001-800-514-1564  
All other locations: +1-414-272-8575

**Fax:** 414-272-1734

**Mail:** American Society for Quality  
600 N. Plankinton Ave.  
Milwaukee, WI 53203, USA



The Global Voice of Quality™

# Renew Now

**Don't miss out!**

Renew by **06/10/2011**, to receive one of these special offers:

- **Save \$100 on a registration to the World Conference on Quality and Improvement or the Lean and Six Sigma Conference**
- Save \$100 on public training
- Save \$30 on ASQ e-learning
- Save \$30 on ASQ recertification fees
- Save 25% on an ASQ *Quality Press* book with free shipping

After you renew, you will receive an e-mail on how to redeem your offer within 30 days of the deadline above. You will have one year to take advantage of one of these offers.

**Renew online or call ASQ Customer Care at 800-248-1946 (United States and Canada), 001-800-514-1564 (Mexico), or +1-414-272-8575 (all other locations).**

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- Access exclusive benefits, knowledge, and resources with **ASQ member gifts** and the **ASQ Knowledge Center**.

Continue to be an integral part of the ASQ global community and raise the voice of quality.

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## **ASQ Boulder Section News**

### **USPS Correspondence Address for the Boulder ASQ Section:**

**ASQ Boulder Section  
P.O. Box 21595  
Boulder, CO 80308-4595**

Note: All education & course registration materials should be sent to Section Education Chair (please see the last page of the education section for contact information)

### **Boulder Section's Charity Donation Program:**

The Boulder Section exec board has approved a policy of donating to bonafide local charities at \$100 per calendar quarter. If you have in mind a deserving local charity, please let a Section officer know about it at any monthly meeting (or) bring to the attention of the entire exec board on via a letter. Enclose any information in an envelope and send it to the section correspondence address (above) or bring any information about your charity and pass it on to any section officer at any monthly meeting. Suggestions for the 3Q of 2011 are being accepted at the present time.

### **Unemployment Program for Membership Available from ASQ**

ASQ headquarters is offering resources for members who have encountered job loss. One benefit for those who want to retain their membership, but have difficulty renewing because they are currently unemployed, are discounted membership dues. Participating members receive a discount on their membership renewal based on consecutive years of membership. Currently, membership dues are \$129 for current Full (formerly Regular), Senior, and Fellow members. For more information, and to check out other resources available, visit <http://work.asgquality.org>.

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## **ASQ Denver Monthly Membership Meeting - May**

**5:30 P.M. - Wednesday, May 25th, 2011**

**Opening Speaker:** David Barton  
Chairman - Society of Manufacturing Engineers  
(for more information about David go to the Events Page)

**Topic:**  
SME organization in Denver (brief presentation)

**MainSpeaker:**  
Kim Griffiths  
Executive Director Elect - CPEX

**Topic:**  
Defying the Odds - Leading a Transformation to Sustainable Excellence  
(for more information about Kim and this topic see the Events Page)

**RSVP:** Arti Doci, Program Chair [ArtaDoci@gmail.com](mailto:ArtaDoci@gmail.com)

**Cost:** \$15.00

Pay at the door with check/cash

or press the Buy Now button to pay on PayPal

The Buy Now button is located below

**Location:** Qwest Learning Center

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## **ASQ BOULDER SECTION #1313 COURSE DESCRIPTIONS** *Revised 05-12-2011*

### **1301 – CERTIFIED QUALITY ENGINEER (CQE) REVIEW**

This is a refresher course for those preparing to take the ASQ Certification exam. This course is advanced and intense. The instructor has an excellent text specific to this course, which is provided at no additional cost. It is recommended the student bring a copy of Juran's Quality Handbook, 5th ed., which can be purchased for about \$135 through ASQ but used copies can often be found for much less on the Internet. The students must bring their own calculator. For additional details or questions, contact the course instructor or the Section Education Chair (his contact information is on page 10).

### **1305 – CERTIFIED SOFTWARE QUALITY ENGINEER (CSQE) REVIEW**

This is a refresher course to aid in your preparation for taking the ASQ Certification exam. The Certified Software Quality Engineer is a professional who has comprehensive understanding of software quality development and implementation, a thorough understanding of software inspection, testing, verification, and validation, and can implement software development and maintenance processes and methods. The exam requires you have minimum software testing or development experience and you must meet certain minimum requirements. Each student needs to purchase the latest edition of the CSQE Primer published by the Quality Council of Indiana (QCI) prior to the first class (cost is approximately \$70). To order, contact QCI at 1-800-660-4215 or [www.qualitycouncil.com](http://www.qualitycouncil.com). For additional details or questions, contact the course instructor or the Section Education Chair.

### **1322 – ASQ Exam BoK: Quality Concepts, Management and Leadership**

This course covers the Body of Knowledge (BoK) any quality professional should know about quality. This covers the history of quality from philosophies to current day methodology. This course is a must for anyone pursuing ASQ Certification or seeking a professional quality career.

**Cost includes materials fees**

**Prerequisites:** None

**Course Outline:**

- Management and Leadership [Organization Structures; Strategic Planning, Team Processes]
- The Quality System [Quality Philosophies; System Models; Measuring Effectiveness]
- Customer Focus
- Supplier Chain Management
- Product and Process Design
- Product and Process Control
- Continuous Improvement
- Management Tools [The Seven Classic Quality Tools; Basic Management and Planning Tools; Process Improvement Tools; Innovation and Creativity Tools]

### **1323 – ASQ Exam BoK: Statistical Principles, Techniques and Applications**

Learning the principles of statistics in an understandable way as well as practical applications in the workplace. From understanding variation to hypothesis testing to process capability studies -- this course covers it all. The course covers the Body of Knowledge (BoK) required for ASQ Certification Exams.

This is also excellent for any quality professional seeking a core understanding of the quantitative methods used in any improvement strategy such as Six Sigma or Lean covers the history of quality from philosophies to current day methodology. This course is a must for anyone pursuing ASQ Certification or seeking a professional quality career.

**Cost includes materials fees**

**Prerequisites:** Ability to understand basic mathematical expressions would be useful as well as ability to use a hand-held calculator.

**Course Outline:**

- Descriptive Statistics [Measures of Location; Measures of Spread; Shape of Distribution; Normal distribution]
- Concepts of Probability  
Statistical Decision-making [Central Limit Theorem; Test of Hypothesis; Alpha and Beta Risks]
- Statistical Process Control (SPC)
- Analyzing Process Capability
- Design of Experiments (DOE) [Full Factorials; ANOVA Tables; Partial Factorials (Taguchi)]
- Relationship Between Variables
- Reliability Statistics

### **1324 – ASQ CQE Book of Knowledge (BoK) Review**

This course is designed to help you properly prepare to take and pass the CQE examination. The objective of the course is to help you put together a study plan. An overview of the Body of Knowledge (BOK) covered by this exam will be given. Detail study of the BOK is the responsibility of the student. Included in this course are effective test taking strategies

**Cost includes materials fees**

**Prerequisites:** None; however, the following ASQ Boulder Section courses would help those needing more detail knowledge:

- 1322 - ASQ Exam BoK: Quality Concepts, Management and Leadership
- 1323 - ASQ Exam BoK: Statistical Principles, Techniques and Applications
- Also there are requirements to be able to take the CQE exam.
- See ASQ website <http://www.asq.org/certification/quality-engineer/>

**Course Outline:**

- How to gather reference material
- How to do a self assessment
- How to develop a study plan
- The Body of Knowledge [Management and Leadership; The Quality System; Product and Process Design; Product and Process Control; Continuous Improvement; Quantitative Methods and Tools]
- What to take to the exam
- Test taking strategies

**INSTRUCTORS & COURSE DESCRIPTIONS:** A list of instructor biographies and course descriptions can be found on the ASQ Boulder Section web site, <http://www.asq1313.org/> **COURSES LOCATIONS:** Contact the ASQ Boulder Education Chair, John Beachman at: [john.beachman@covidien.com](mailto:john.beachman@covidien.com) or 303-530-6346 to see if the class you want can be made available in the Colorado Springs, Denver, Loveland or Ft. Collins area.

# Spring 2011 ASQ Boulder Section Course Offerings

Updated 05-12-2011

Course Name	Instructor	Course Fee (1)	Exam Date	ASQ Exam Application Deadline	Course Dates & Times	Course Registration Deadline
1301 - Certified Quality Engineer (CQE) Review	Monrad Monsen 303-272-9612 Location: TBD	\$400 members / \$450 others				
1305 - Certified Software Quality Engineer (CSQE) Review	Arnold Miller 303-466-2631 Location: TBD	\$400 members / \$450 others				
1322 - ASQ Exam BoK: Quality Concepts, Management and Leadership	Ron Sedlock 303-716-5873 or 303-587-9153 Location: TBD	\$270 per student + \$25 material = \$295 Total				
1323 - ASQ Exam BoK: Statistical Principles, Techniques and Applications	Ron Sedlock 303-716-5873 or 303-587-9153 Location: TBD	\$270 per student + \$25 material = \$295 Total				
1324 - ASQ CQE Book of Knowledge (Bok) Review	Ron Sedlock 303-716-5873 or 303-587-9153 Location: TBD	\$135 per student + \$15 material = \$150 Total				

(<sup>1</sup>) Course fee for ASQ or other professional society member/non-member. (2) Cost of primers, texts, workbooks, etc. are not included and must be purchased by the student prior the first class. Contact the Boulder Education Chair, **John Beachman**, (his contact information below) for details. FOR INFORMATION UPDATES, please go to the Boulder Section web page: <http://www.asq1313.org/courses.html>

If there is a class you need but is not listed above. We may be able to offer that class in the future.

## **COURSE REGISTRATION INFORMATION**

You do not have to be a member of ASQ to attend a class however, members of ASQ and other professional societies receive a discount for classes. Local Quality professionals teach all classes in the Boulder/Longmont/ Broomfield area unless otherwise noted. We contact you at least two weeks in advance of the class start date for the exact location. Classes are typically held at a company that employs one of the students. You may nominate your company for hosting a class. Directions and registration confirmations are provided. Participants receive a certificate upon completion of the course. We need a minimum of about 4 - 5 students to hold a course and we reserve the right to cancel or postpone classes not having enough students. A full refund will be given if minimum class registration requirements are not met. If you cancel within two weeks prior to a class beginning you may not receive a refund.

**ASQ CERTIFICATION REVIEW COURSES:** These courses are intended as a refresher course for those preparing to take the ASQ Certification exam. These courses are typically not introductory and are intended for people with either academic and/or on the job experience. NOTE: Enrollment in a class DOES NOT enroll the student for the certification exam. The student is responsible for confirming exam dates and application deadlines with ASQ Headquarters. Qualification requirements for sitting for an exam and information regarding exam applications may be obtained by calling ASQ Headquarters at 1-800-248-1946 or go to <http://www.asq.org>

## **ASQ #1313 COURSE REGISTRATION FORM**

Please complete the following information as thoroughly as possible. In case of a schedule change or cancellation, we really appreciate two phone numbers to contact you.

Student's Name: \_\_\_\_\_ ASQ Membership #: \_\_\_\_\_

or other Society and #: \_\_\_\_\_

Title: \_\_\_\_\_

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Daytime phone: \_\_\_\_\_

Night time phone: \_\_\_\_\_

E-Mail: \_\_\_\_\_ or FAX: \_\_\_\_\_

Course # and Name: \_\_\_\_\_

Course Start Date: \_\_\_\_\_

Course Fee: \$ \_\_\_\_\_ (ASQ Member)      \$ \_\_\_\_\_ (Non-member)

Please enclose a check payable to "ASQ Boulder Section" and contact the Boulder Section Education Chair John Beachman at: [john.beachman@covidien.com](mailto:john.beachman@covidien.com) (or) 303-530-6346, to reserve your spot in the course that you want. Please send checks to the address below.

ASQ Section 1313 Education    c/o Mr. John Beachman    2031 Amethyst Dr    Longmont, CO 80504

**GUARANTEE:** If you pay for and take one of our ASQ Certification review courses and still fail the Certification Exam, you may retake the course for free as many times as you need. The instructor reserves the right to charge for course materials (e.g., handouts, etc.). Your ASQ section leadership is committed to meeting your quality-related education and certification needs. If you have any questions about a particular course, please contact the instructor or the Boulder Section Education Chair (contact information above).

## Non-ASQ Boulder Section (or) Non-ASQ Denver Section Training Resources

**From: the quality Catalyst Inc.**

Please see the following three events coming up:

### **1. Certified Manager of Quality/Organizational Excellence Review Class**

I am offering a 24-hour review class for those interested in becoming a Certified Manager of Quality/Organizational Excellence (CMQ/OE). This class consists of three 8-hours sessions on **July 15, August 12 and September 16**. This class will prepare those taking the exam on October 1st. The class will be hosted by Baxa Corporation in Englewood. Let me know if you have an interest. I do limit the number of attendees. Cost is \$695 which includes a reference workbook

### **2. Colorado Quality Executive Network (CQEN)**

The next session of the Colorado Quality Executive Network (CQEN) will be on Tuesday, **July 19th**. This is a group of top executives who share ideas on quality issues. Membership to the CQEN is by invitation only. Please pass on this information as appropriate. Any questions should be directed to me.

### **3. World-Class Service Quality**

Most improvement strategies such as six sigma or lean are manufacturing-based. Today, most people (even in a manufacturing company) are service providers. On Friday, **July 22** I am offering an 8-hour class on World-Class Service Quality. This class is the missing catalyst in most quality management systems.

If you have any other quality training, let me know. I am always willing to offer advice to those seeking ASQ Certification. This is a free service.

Best Regards, Ron Sedlock  
the quality Catalyst  
phone: 303-716-5873 or 303-587-9153 (cell)  
[www.thequalitycatalyst.com](http://www.thequalitycatalyst.com)

## ASQ 2011 Certification Exams Schedule

<b>Certification</b>	<b>Application Deadline</b>	<b>Exam Dates</b>
1. CQT - Quality Technician	Every January and August	Every March and October
2. CRE - Reliability Engineer		
3. CQI - Quality Inspector	August 12, 2011	October 1, 2011
4. CMQ/OE – Manager of Quality & Organizational Excellence		
5. CSSBB - Six Sigma Black Belt		
6. CHA - HACCP Auditor		
7. CBA - Biomedical Auditor		

8. CMBB - NEW Master Black Belt		
9. CQE - Quality Engineer	Every April and October	Every June and December
10. CQA - Quality Auditor	April 15, 2011	June 4, 2011
11. CSQE - Software Quality Engineer	October 14, 2011	December 3, 2011
12. CQIA – Quality Improvement Associate		
13. CCT - Calibration Technician		
14. CQPA - Quality Process Analyst		
15. CSSGB - Six Sigma Green Belt		
16. CPGP - Pharma GMP Professional		

### **Colorado Quality Executive Network (CQEN)**

The next session of the Colorado Quality Executive Network (CQEN). This a group of top executives who share ideas on quality issues. Membership to the CQEN is by invitation only. Please pass on this information as appropriate. Any questions should be direct to me.

Ron Sedlock, the quality Catalyst (contact information immediately above)

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## **Quality Related Careers    Job Postings**



We suggest that you frequently go to: [www.nrel.gov](http://www.nrel.gov) use the employment link

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### **Intern Undergraduate- Performance Management & Analysis**

**Requisition Number 1945BR**

**Location Golden, CO**

#### **Job/Research Summary**

**A student internship is available in the Performance Management & Analysis Team (PM&A) at the National Renewable Energy Laboratory (NREL) in Golden, Colorado. NREL is the nation's primary laboratory for research, development and deployment of renewable energy and energy efficiency technologies. The position would be temporary full time during the summer internship. Job Duties The purpose of this summer internship is to provide meaningful professional data analysis and process improvement experience to students with proven academic performance and a strong desire to learn and contribute. The PM&A Team provides data collection; analysis and dashboard display of critical laboratory operational metrics. The PM&A Team also leads and mentors process improvements in the**

laboratory using industry standard tools and methods. The intern will assist a dedicated staff to help accomplish critical tasks related to these important missions.

This position will work under close supervision and guidance to perform basic day-to-day support functions. Contacts are typically within the Center /Office and occasionally with external contacts. Contacts involve obtaining or providing information or data requiring some explanation or interpretation.

This position will perform clearly defined, short-duration tasks and activities in support of the PM&A Team goals and objectives including:

- Participate in data collection and analysis activities to include some basic statistical analysis.
  - Meet with Center / Office Director level and below to interpret data and teach the analysis mechanics.
  - Create KPIs and more detailed graphs and charts which describe the data in a meaningful way to the identified audience.
  - Participate in process analysis and development activities to include recording process flows and associated measurements.
  - Participate in process improvement activities to potentially include problem identification and definition, root cause analysis, solution identification, implementation and measurement.
  - Create standard reports, documentation, and records of simple nature.
  - Present / co-present specific expertise in process or data analysis to cross functional audiences consisting of 15 – 50 individuals.
  - Assist in developing recommendations for improving operations.
- Provide a summary presentation at the conclusion of the internship regarding the internship experience.
- Perform other duties as assigned.
- Required Education and Experience** Must be enrolled as a full-time student.

Undergraduate students enrolled in a minimum of twelve credit hours.

Graduate students enrolled in a minimum of nine credit hours.

Minimum of a 3.0 grade point average in the last completed semester.

Must be a United States citizen or permanent resident.

**Additional Required Knowledge, Skills and Attributes**

Intermediate skills in data analysis, statistical modeling and technical skills (programming, scripting, and statistical package skills – MiniTab, SAS, etc.). Basic task and time management skills. Proficient in written/verbal communications. Very good team collaboration and interpersonal skills with an incredible zeal to learn new skills. Ability to perform duties with minimal supervision. Familiarity with Microsoft Office (including Visio) , Microsoft Outlook, Microsoft SharePoint.

**Preferred Qualifications** Completion of three years or more in an accredited university in a business administration, statistics, applied mathematics, information technology or related degree program (such as industrial engineering, systems engineering, business management, operations research, or management science).

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**Executive Director – Environment, Health, Safety, Security and Quality**

**Requisition Number 1981BR**

**Location Golden, CO**

**Job Summary**

The National Renewable Energy Laboratory (NREL) located at the foothills of the Rocky Mountains in

Golden, Colorado is the nation's primary laboratory for research, development and employment of renewable energy and energy efficiency technologies. NREL has an opening for the position of Executive Director – Environment, Health, Safety, Security and Quality.

The successful candidate will be a strong strategic thinker with demonstrated success in leading the environmental, health, safety security and quality functions for a high tech, utility, research and development, or manufacturing organization.

Full relocation package will be provided.

**Job Duties/Role Description:**

- Works proactively with management and staff across the Lab to foster continuous improvement and shape behavior in safety and environmental protection before incidents occur.
  - Serves as corporate resource in providing technical assistance, coordination, and integration in the resolution of safety and environmental issues.
  - Provides high-quality, customer-focused assistance that enables improved program and field implementation of safety and environmental protection.
  - Identifies Lab-wide safety and environmental protection assistance needs and opportunities. Leads efforts to identify assistance needs, prioritize assistance activities, and resolve issues through direct interface with customers and stakeholders.
  - Serves as the Lab's resource for interpretation and guidance on existing and emerging external environmental regulations on hazardous waste management and site cleanup (RCRA; CERCLA), pollution prevention and electronics stewardship, toxic chemical inventory reporting, cultural and natural resource protection (air, water, and biota), as well as hazardous substance release response.
  - Assists in the development and delivery of compliance training and risk assessment tools to support Lab operations, cleanup, and long-term stewardship.
  - Manages activities to develop, promulgate, and maintain worker safety and health policy.
  - Maintains liaison with regulatory agencies with respect to worker safety and health matters.
  - Provides management oversight and direction NREL security operations, including physical protection, and operational security.
  - Directs Lab-wide emergency response activities associated with operational emergencies and emergency assistance situations.
  - Directs investigations of alleged or suspected acts against NREL facilities impacting national security, personnel security, compromise of classified or sensitive information, as well as violations of applicable laws.
  - Provides technical support to NREL in understanding how to implement internal and external QA requirements.
  - Identifies Lab-wide quality assurance assistance needs and opportunities. Prioritizes assistance activities and resolves issues through direct interface with customers and stakeholders.
- Required Education and Experience** Previous management and budget administration experience required. Program strategy, development and implementation experience required. Degree in appropriate field may be required.
- Required Knowledge, Skills and Attributes** Extensive knowledge of the renewable energy industry, as appropriate, as well as regulations, principles, procedures and practices of relevant discipline(s). Solves variety of multi-dimensional problems in absence of guidelines or precedents.

Models and embeds NREL values. Keeps abreast of key issues affecting respective Center/Office industry discipline(s). Builds effective teams; creates strong morale and spirit; shares wins and successes. Demonstrated ability to effectively lead and direct personnel with diverse skills, work styles and values, both directly and through subordinate management.

**Additional Required Knowledge, Skills and Attributes** The successful candidate will have a background that includes a minimum of 15 years of relevant work experience as evidenced by the following:

**Critical:**

- Established record working with all levels of an organization, including senior leadership.
- Demonstrated ability to apply a broad knowledge and understanding of the following disciplines:
  - o Environmental
  - o Health
  - o Safety
  - o Security
  - o Quality
- Demonstrated ability to apply seasoned business judgment to related issues and advise on appropriate solutions.
- Proven leadership with strong problem-solving aptitude and ability to plan and meet fiscal objectives.
- Demonstrated thorough understanding of Laboratory management, financial planning and interdisciplinary laboratory applications.
- Successful track record involving business and organizational planning, coordination and execution.
- Demonstrated leadership, organizational and planning skills to accomplish task assignments within stringent deadlines and often with limited lead time.
- The successful candidate will be subject to a U.S. government security investigation and must meet eligibility requirements for access to classified information. In order to meet the government security investigation requirements, U.S. citizenship is a prerequisite.

**Travel Requirements:**

- Extensive travel will be required based on business need.

**Personal Attributes:**

- Strong leadership skills.
- Strategic thinker.
- Strong business and financial acumen.
- Strong sense of integrity and trust and the ability to respond with flexibility and adaptability in response to business demands.
- Demonstrated capability to analyze, synthesize, and integrate information to effectively identify and solve problems.
- Demonstrated ability to identify and work under firm deadlines and multiple ongoing tasks.
- Demonstrated ability to identify and pursue opportunities, takes prudent risks and assume responsibility in the face of uncertainty or challenges.
- Strong attention to quality.
- Creativity.
- Interpersonally savvy.
- Demonstrated managerial courage.

**Education:**

- Bachelors degree at minimum plus a minimum 15 years related experience and/or training is required.
- Preferred Qualifications**• Masters degree or equivalent preferred.





#### **ABOUT CPEX**

Colorado Performance Excellence's vision is to create a culture of excellence that is pervasive throughout Colorado and the Rocky Mountain Region including Montana and Wyoming. It serves the people of the region by using a proven program of innovation and continuous improvement that generates outstanding results. CPEX fulfills this promise through training and education, assessment and feedback, recognition and awards, networking, and the sharing of best practices. Visit CPEX at [www.coloradoexcellence.org](http://www.coloradoexcellence.org). CPEX is now operating as Rocky Mountain Performance Excellence for Montana and Wyoming at [www.rmpex.org](http://www.rmpex.org) or at the CPEX website.

#### **ABOUT THE BALDRIGE NATIONAL QUALITY AWARD**

The award was established during the Reagan administration in 1988 and continued by all other administrations since then. The criteria used to determine award recipients at the various levels are based on the Baldrige criteria, which any organization can use to improve overall performance. Seven categories make up the award criteria: Leadership; Strategic Planning; Customer and Market Focus; Measurement, Analysis, and Knowledge Management; Workforce Focus; Process Management; and Organizational Results.

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*Please contact Jim Walker at [drjimw@hotmail.com](mailto:drjimw@hotmail.com) or Tom Mauro at [tmmauro@aol.com](mailto:tmmauro@aol.com) or call 303-893-2739 if you have any questions about Examiner training for 2011. We look forward to your participation.*