



The next ASQ Boulder Section meeting will be held on Wed, April 20th at the Jefferson County Pub. Library in Arvada with tutorial start at 5:30pm and the main talk at approx 6:20pm. Please see page 3 for more details.

APRIL CHAIR MESSAGE

Peter Drucker wisely stated, "Efficiency is doing things right; effectiveness is doing the right things." Consider this statement in light of the quality profession. How can "Quality" be viewed as both efficient and effective? Can "Quality" be considered a "revenue generator" or is it consistently viewed as simply a "necessary cost center"?

In a time where our fragile economy is inching forward towards early economic recovery where some companies are slowly continuing to force layoffs and new jobs are scarce, there are those few companies who are cautiously hiring and pushing our unemployment rate down by tenths of a percent. As you position yourself in your job in this current market, concentrate your efforts on being a revenue generating factor that can directly affect the bottom line of your company's profits. How can you do this? Remember the basic Cost of Quality (CoQ) model which consists of internal failure, external failure, appraisal, and prevention costs. Focus efforts primarily on the positive costs of quality which means strategic planning of quality into product during the product concept stage of development. Utilize tools such as Design for X (DFX) (where X can equal cost, quality, manufacturability, assembly, test, etc), or Design Failure Modes and Effects Analysis (DFMEA) and product reliability modeling and prediction. Supplier evaluation, qualification, and management are also critical once the concept design is known.

Many companies are spending much of their time and resources on internal and external failures, which comprise the categories of "Cost of Poor Quality". Be an effective leader to move beyond this reactionary business model towards doing the right things from a quality perspective to make it apparent that quality is, in fact, a value added partner in driving companies toward profitability and positive customer perception.

Sincerely,
Rebecca Jessep, ASQ Section 1313 Chair

ASQ'S Customer and Member Center:

E-MAIL: 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 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

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

Deadline for June Certification Exams Is April 15!

The deadline for the June 4th certification exams is April 15, with a late fee deadline of April 20. The June exams include the CQE, CQA, CSSGB, CQIA, CQPA, CCT, CSQE, and CPGP.

news continued on page 4

ASQ #1313 Officers & Committee Chairs 2009-10

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

#1313 Upcoming Meeting Information	Page 3
ASQ National & Boulder Section News	Pages 4-9
Boulder Section Course Descriptions	Pages 10-12
Boulder Section Courses Spring 2011	Page 12
Boulder Courses Registration Form	Page 13
Non-ASQ Section Training Offerings	Page 14
Quality-Related Job Postings	Pages 15-21
CPEX Events and Updates	Pages 21-22



Lean Six Sigma Experts

100% Satisfaction Guaranteed!

Integrated Lean Six Sigma Certification Program

- Lean Six Sigma Green Belt
- Lean Six Sigma Black Belt
- Lean Six Sigma Master Black Belt

Training

- Lean Six Sigma
- Change Management
- Leadership

Consulting

- Lean Six Sigma
- Rapid Improvements
- CI Strategy

10% off
all training
classes
Coupon Code
0211ASQ

Recruiting

- Specializes in Lean Six Sigma talent hiring

Software

- Software applications development to support Continuous Improvement

www.LeanSixSigmaExperts.com
1-800-961-9479

Upcoming ASQ #1313 Tutorial & Main Presenters as of: April 10th, 2011

All Boulder Section tutorials start at 5:30pm

Wed, 20th of April

And-

**Combined Meeting of All
ASQ Frontrange Sections**



ASQ Supports OUR STUDENTS' Education!

Students: Attend on April 20th and receive a \$10 Barnes & Noble gift card to help buy a book!

Learn about quality and organizational performance improvement in the medical device industry.

Where: Jefferson County Public Library - Arvada

7525 West 57th Avenue Arvada, CO 80002 303 235-5275

Customized Map to Location: <http://jefferson.lib.co.us/locations/ar.html> (if this link does not work please cut and paste into your browser)

No charge for this meeting

Register by emailing: Arta Doci at artadoci@gmail.com or call Denver ASQ at 303 571-9306.

Presentations: *Quality For Regulated Industry and Cost of Poor Quality (COPQ)*

Facilitators: Tom Reimann – Quality and Regulatory Affairs Director – Medtronic and Dr. Terra Stern, ASQ Denver

Speaker One (30 minutes) Tom Reimann, Quality and Regulatory Affairs Director, Medtronic Title: Quality in a Regulated Environment

Speaker Two (30 Minutes) Dr. Terra Stern, Chair of ASQ Denver, PMP, Six Sigma Master Black Belt Title: Cost of Poor Quality (COPQ)

Please let me know if you have any questions: 303-668-761 Arta Doce

Student RSVP deadline - Friday, April 18th, 2011 RSVP by email to Joe Wojniak, Boulder Section Vice-Chair, joe.wojniak@covidien.com

MBNQA For info on the Malcolm Baldrige National Quality Award Program, visit www.quality.nist.gov

CPEX

For info on the Colorado Performance Excellence Program (Colorado State quality and business performance program), visit www.coloradoexcellence.org

Contact: Executive Director, Mr. Tom Mauro 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.**

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. You have access to this bundle through April 30, 2011. [Get your free member gift!](#)

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**

65th Annual Quality Improvement Training Conference

The 2011 World Conference on Quality and Improvement May 16th-18th promises to be our best event yet. Internationally recognized [keynote speakers](#) will start the three-day conference, which is filled with 100 training sessions featuring the focus areas of building a quality culture, global, organizational excellence, quality basics, and risk management. Search the [conference program](#) today to select the sessions that are right for you and take a look at what's in store for you this year!

Want to see what you missed last year? ASQ invites you to take a look back at the 2010 World Conference on Quality and Improvement. [Conference highlights](#) showcase past keynote speakers, a conference recap, team award recipients, videos, and photos.

Don't miss another year! [Register today](#) using the tips below to lead you to savings.

Tips to lead you to savings! Check out these savings opportunities to stretch your conference travel budget—without missing out on the premier quality conference of 2011.

Save big when you:

- Become an ASQ member and save \$200 compared to nonmembers.
- Register by April 1, 2011, and save \$100 with the early-bird rate.
- Bring a buddy and save up to \$400 per person with groups of three or more.
- Are a repeat attendee. As a repeat attendee, you'll receive a personal special price invitation from ASQ.

See you in Pittsburgh, PA !

cont. next page

Keynote Speakers



Adm. Thad Allen
USCG (Ret). National
Incident Commander



J.J. Irani
Assistant to the Director of
Research and
Development, Tata Steel



Barbara Corcoran
The Corcoran Group

May 16-18 Pittsburgh, Pa. News Release

ASQ World Conference Focuses On New Role of Quality

Build Your World Conference Schedule at: www.asq.org

ASQ's 2011 World Conference on Quality and Improvement, which will be held May 16–18 in Pittsburgh, Pa., has announced its preliminary program. The program provides information on preconference courses, concurrent sessions, conference events, and keynote speakers. Search the more than 100 sessions to build your perfect schedule.

The New Role of Quality: Tomorrow's Applications of Proven Quality Tools

Today's challenges have brought many to re-examine the role that quality can play in the organizations and communities that we work and live in. In the face of these challenges, some people are getting back to the basics, and others are looking to innovation and creativity to pave the way.

Today, more than ever, quality has a role to play. Whether traditional or new, conservative or inventive, quality is critical.

Join us in Pittsburgh in 2011 to take on the New Role of Quality.

- Learn new and classic quality tools, methodologies, and techniques.
- Network with more than 2,000 attendees and exhibitors.
- Benchmark best practices with the International Team Excellence Award Process.
- ***Gulf Coast oil spill disaster commander among three keynote addresses***
The content of the 2011 ASQ World Conference on Quality and Improvement, May 16-18, 2011, in Pittsburgh, Pa., seeks to re-examine the role that quality can play in the face of today's challenges.



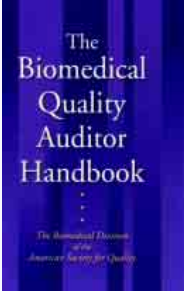
Be prepared! Purchase your handbook NOW for the June exams!

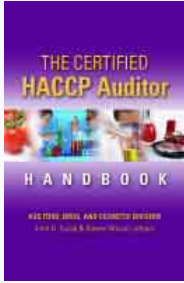
Quality Press publishes a prestigious collection of certification handbooks to support quality professionals as they prepare for ASQ certification. Many of the titles listed below have been revised and are specifically designed to aid you in successfully completing your exam goals.

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

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

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

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



The Certified HACCP Auditor Handbook

ASQ Food, Drug, and Cosmetic Division

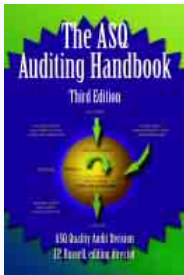
[Click here for more information...](#)



The Certified Manager of Quality / Organizational Excellence Handbook: Third Edition

Russell T. Westcott, editor

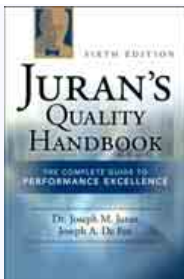
[Click here for more information...](#)



The ASQ Auditing Handbook, Third Edition

J.P. Russell, editing director

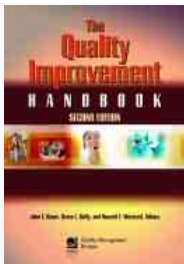
[Click here for more information...](#)



Juran's Quality Handbook, Sixth Edition: The Complete Guide to Performance Excellence

Joseph A. De Feo and J.M. Juran

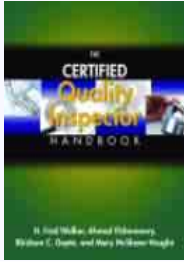
[Click here for more information...](#)



The Quality Improvement Handbook, Second Edition

ASQ Quality Management Division; John E. Bauer, Grace L. Duffy, Russell T. Westcott, editors

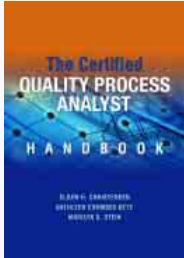
[Click here for more information...](#)



The Certified Quality Inspector Handbook

H. Fred Walker, Ahmad K. Elshennawy, Bhisham C. Gupta, Mary McShane Vaughn

[Click here for more information...](#)



The Certified Quality Process Analyst Handbook

Eldon H. Christensen, Kathleen M. Coombes-Betz, and Marilyn S. Stein

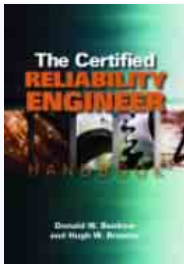
[Click here for more information...](#)



The Certified Quality Technician Handbook

Donald W. Benbow, Ahmad K. Elshennawy, and H. Fred Walker

[Click here for more information...](#)



The Certified Reliability Engineer Handbook

Donald W. Benbow and Hugh W. Broome

[Click here for more information...](#)



The Certified Six Sigma Green Belt Handbook

Roderick A. Munro, Matthew J. Maio, Mohamed B. Nawaz, Govindarajan Ramu, and Daniel J. Zrymiak

[Click here for more information...](#)



The Certified Software Quality Engineer Handbook

Linda Westfall

[Click here for more information...](#)

To update your contact information, or if you have questions for ASQ, please email help@asq.org.

ASQ's Customer Care Center:

E-Mail: 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)**.

Get the ideas and tools to help meet tomorrow's critical challenges.

Renew your ASQ membership today to continue to be a part of ASQ's global community of people passionate about quality.

- Get a strong competitive advantage with training from the **ASQ Learning Institute™**.
- Show your commitment to quality by becoming **ASQ certified**.
- **Network with experts** of the worldwide ASQ community.
- 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.



Renew Your
Membership

MEMBER SERVICES

To update your contact information, or if you have questions for ASQ, please email help@asq.org.

ASQ CUSTOMER CARE CENTER:

E-Mail: 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 Avenue

Milwaukee, WI 53203, USA

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>.

ASQ BOULDER SECTION #1313 COURSE DESCRIPTIONS *Revised 03-12-2011*

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. 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 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 03-12-2011

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				

Course Name	Instructor	Course Fee (1)	Exam Date	ASQ Exam Application Deadline	Course Dates & Times	Course Registration Deadline
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				

(1) 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 (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.

If you have any training needs this year, keep me in mind. I specialize in **Process-Based Audits, Six Sigma Statistics** and **ASQ Certification**. Also I provide training in the next wave of the quality movement, **Service Quality**. Look at the December 2010 issue of Quality Progress for my article on service quality.

ASQ Certification Exams 2011 Schedule

Certification	Application Deadline	Exam Dates
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 10. CQA - Quality Auditor 11. CSQE - Software Quality Engineer 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	Every April and October April 15, 2011 October 14, 2011	Every June and December June 4, 2011 December 3, 2011

If anyone is taking any of the ASQ exams in June and needs some guidance, feel free to contact me. I am always willing to give some free advice to anyone seeking professional development. Wishing you continued success.
Ron Sedlock, the quality Catalyst phone: 303-716-5873 or 303-587-9153 (cell) www.thequalitycatalyst.com

Colorado Quality Executive Network (CQEN)

The next session of the Colorado Quality Executive Network (CQEN) will be on Tuesday, April 19th. 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)

Quality Related Careers Job Postings



We suggest that you frequently go to: www.nrel.gov use the employment link

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).

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 deployment 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.

.....

Emerson Process Management (www.emerson.com) is a leader in helping businesses automate their production, processing and distribution in the chemical, oil and gas, refining, pulp and paper, power, water and wastewater treatment, metals and mining, food and beverage, pharmaceutical and other industries. A division of **Emerson, Rosemount DP Flow** is a global leader in high-precision pressure, temperature, level, and flow instrumentation.

We have a QA Manager position available at our Boulder facility. It is a full time position, Monday – Friday.

Job Description:

Supervision, leadership & planning of quality department and all worldwide quality related functions, including but not limited to:

- Oversee, maintain, and improve the company's ISO 9001:2008, ASME, and European Pressure Equipment Directive programs.
- Assume the responsibility of ISO Representative, coordinate and lead or participate in third party quality audits, inclusive of schedules, communication, reports and tracking follow-up actions.
- Maintain and administer all supporting corporate procedures and policies.
- Oversee and champion the Corrective Action system. Maintain the corrective/preventive action program, inclusive of tracking status of open actions, receiving and reviewing responses, working with departments for timely completion and periodic reports and metrics.
- Identify system-wide root causes using problem solving tools such as process flows, fishbone diagrams, process and product FMEA's, control plans, and control charts.
- Work with department managers and teams to predict defects and complaints then develop and implement solutions to improve.
- Supports and acts as advocate for continuous improvement by utilizing lean manufacturing techniques, Kaizen principles, statistical process controls and other quality tools.
- Establishes key performance indicators and maintains systems for tracking, reporting and improving performance.
- Training and empowering all employees to participate in continuous improvement activities.
- Active involvement in Six Sigma projects as they relate to quality assurance and associated customer satisfaction issues.
- Setting QA compliance objectives and ensuring that targets are achieved; Monitoring performance and quality system trends.

- Keeps Senior Management and Global Quality Teams aware of any significant Quality trends or concerns on a monthly basis and holds the Monthly Management Review.
- Participate on global quality leadership teams to develop and implement world-wide procedures and processes and to share best practices.
- Staffs, directs and develops the QA team
- Is part of the Management Leadership Team for Rosemount DP Flow, helping to formulate and administrate site policy, strategies, and processes

Requirements:

- Bachelor’s Degree in Engineering required, MBA a plus
- At least 5 years of experience in Quality Assurance, should be combined with a demonstrated track-record of accomplishments in a QA Leadership role
- Certified by ASQ (American Society for Quality) as a CQE/QC Mgr preferred
- Experience in a manufacturing environment
- Strong analytical skills and proficient in data collection and presentation
- Exceptional oral and written communication skills
- Formal Six Sigma Certification is desirable
- Ability to take initiative, provide leadership, maintain confidentiality, meet deadlines and work in a team environment

Interested individuals can apply on Emerson’s career page or can click on the below link:

https://jobs.emersonprocess.com/psc/TAMEXT/EMPLOYEE/HRMS/c/HRS_HRAM.HRS_CE.GBL?PAGE=HRS_CE_JOB_DTL&JobOpeningId=1002753&ACTION=A&



Covidien Job Description

POSITION TITLE: Sr. Quality Engineer
 DEPARTMENT: Quality Assurance
 BUSINESS UNIT: Respiratory
 REPORTS TO: Quality Engineering Manager

SUMMARY OF POSITION:

Provide quality engineering support in design and development of medical device products, and facilitate the application of design controls.

ESSENTIAL FUNCTIONS:

1. Review new and modified product designs for quality characteristics, including manufacturability, serviceability, testability, reliability, and conformance to product requirements.
2. Ensure that product development projects and changes to existing products are conducted in compliance with the FDA Quality System Regulation.

3. Ensure successful transfer of new products to production facility. Review production processes for quality of validation.
4. Review and approve verification and validation test plans. Ensure verification results demonstrate compliance to medical device standards.
5. Provide training to project teams on verification/validation statistical methods and design controls.
6. Lead product risk assessment efforts within product teams.
7. Review Design History Files and Technical Files for conformance to applicable requirements.
8. Provide Quality support to facilitate the rapid resolution of product complaints and/or safety issues.
9. Conduct internal quality system and supplier quality audits.

DEPARTMENT SPECIFIC/NON-ESSENTIAL FUNCTIONS:

Other duties as assigned with or without accommodation.

MINIMUM REQUIREMENTS:

<i>Education:</i>	BS or MS in an engineering discipline
<i>Experience:</i>	5+ years of quality engineering experience
<i>Skills/Competencies:</i>	Working knowledge of and auditing experience to the FDA Quality System Regulation, ISO 13485, and the Medical Device Directive. Experience with test methods and standards for the design, verification, and validation of medical device products. Skilled in test plan development and root cause failure analysis. Skilled in statistical methods, including ANOVA, statistical process control, sampling plans, gauge R&R, and design of experiments. Good verbal (including presentation) and written communication skills, especially technical report writing. Ability to effectively work on project teams.
<i>Preferred Skills/Qualifications:</i>	Familiar with reliability analysis and test methods. Familiar with ISO 14971. Experience in risk evaluation techniques, such as FMEA, fault tree analysis or HACCP. Manufacturing engineering or manufacturing quality engineering experience preferred. ASQ CQE or CRE certification.
<i>Other Skills:</i>	Spanish proficiency desirable

ORGANIZATIONAL RELATIONSHIPS/SCOPE:

Will be working in cross-functional teams as the Quality System expert.

WORKING CONDITIONS:

Normal office conditions. Up to 10% travel required.

DISCLAIMER:

The above statements are intended to describe the general nature and level of work being performed by employees assigned to this classification. They are not intended to be construed as an exhaustive list of all responsibilities, duties and skills required of employees assigned to this position.



Call for 2011 Examiners -Registration

The 2011 examination season looks like another year of great opportunity for CPEX. We have new and returning applicants at all levels and sectors that are currently preparing to benefit from the feedback provided by our examination teams.

If you have ever thought about being an examiner, now is the time. Join with our returning examiners to have an experience that is "truly meaningful -educationally, professionally and personally." (2010 Examiner) Visit our [Becoming an Examiner](#) page to learn about the pros and cons of the examiner experience and then complete our New Examiner Registration form: [New Examiner Registration](#).

All Examiner Class options:

May 12, Regis University, Main Campus, Denver

May 16, Regis University, Main Campus, Denver

If you are a previous examiner, we hope you are rested and ready for the new assessment and feedback cycle for 2011. We need your experience and skill back on the CPEX Board of Examiners. Please complete the [Returning Examiner Registration](#) form for the All Examiner classes on May 12 or May 16 at the Regis Main campus in Denver. You'll receive information on this year's Case Study in early April. Examiner fees are waived if you bring a new examiner from a non-applicant organization with you. We are expecting 20 applicants this year, and we need your return, plus assistance in recruiting new folks.

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

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. CPEX is now operating as Rocky Mountain Performance Excellence for Montana and Wyoming at 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.

CPEX Now on Facebook and Linked In

Join us now for updates on Performance Excellence activities happening in your area and the Rocky Mountain Region. CPEX is your "link" to continuous improvement in your organization now!

[Facebook](#)

[Linked In](#)