



**Greater El Paso  
Section**

# *Amigo Quality*

**Volume 27 Number 7**

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Welcome to the April 2007 issue of the Newsletter! Your local provider of information and learning opportunities related to quality professionals.

## **MEMBERSHIP MEETING**

**LOCATION:** Gerardo's Restaurant

**REGISTRATION & SOCIAL HOUR:** 6:15 p.m.

**DATE:** April 18, 2007

**SPEAKER:** Science Fair Winners

**TOPIC:** Education

MEETING IS FREE FOR EVERYBODY (MEMBERS OR NON-MEMBERS) AND THE  
SPEAKER STARTS AT 6:45 P.M.

If you want to eat, we start our social hour at 6:15 p.m.

DINNER COST: \$10.00

## **THE CHAIR SPEAKS**

HECTOR LUGO

I want to thank everybody for attending the last meeting, especially to those that take advantage to learn something new in statistics and brought the required mentality for it. I want to express my gratitude to Rudy for his efforts to get our meetings in a new status and gave a different approach in Gerardo's.

April certainly is a busy month; the holidays are well over and it looks like we back to business as usual. See the Sun Country Science Fair winners and their presentations in our April 18 meeting... with a different format for the program portion of it. We'll be facilitating 'table topic' discussions around their presentations. Come... give your expertise... get a question answered.

Also, you need to choose your future chair, vice-chair, secretary and treasurer for the next year on the Section. Hoping you choose your candidates and vote according with your rights and obligations.

## **AUTOMOTIVE SECTION**

HECTOR LUGO

Thank you for another opportunity to share the latest on this industry. As you know China's new auto industry policy statement will be ready within three months, according to Reuters.

General Motors Corp. will introduce the Chevrolet Spark minicar in India in the second half of 2007. The company plans either to produce the Spark, a rebadged Daewoo Matiz, at an existing assembly plant in western India or build a new facility.

Toyota, however, have set up a new, \$152 million venture in China to make engines for Crown near-luxury cars with First Automotive Works.

Separately, AB Volvo has signed a \$200 million deal with China National Heavy Truck Corp. and FAW to build large truck engines.

Ford aims to increase sales in Russia to 100,000 vehicles this year from 61,000 in 2005. This year the company expanded capacity for its Focus cars to 60,000 units from 32,000 units in 2005.

Only the future is going to tell what company is making the wiser investment, and we are going to be there!

## **EDUCATION SECTION**

Kim Pries

What is software quality?

Simply defining software quality as "meeting the specification" probably is not good enough. For one thing, simply meeting the specification doesn't cover the myriad of potential issues possible with a product as complex as typical software. In general, the software must be designed defensively; that is, the software should react correctly (as defined) regardless of the value of the inputs.

As an example, what are the rules for turn signals and 4-way emergency flashers as well as the brake lights? Which ones have priority and what will produce the least confusion with other drivers? The answers are not so simple, yet we expect the software the frequently controls these lights on our vehicles to function flawlessly! Not to mention the fact, that we could have our turn signal on, hit the

4-way flasher and touch the brakes simultaneously.

Over 20 years ago, Glenford Myers was able to show that a 20 lines program could be exhaustively tested with no less than a trillion test cases! Testing software is extremely difficult, time consuming, and endless. The best a supplier can hope to achieve is some reasonable “coverage” of a subset of the possible test cases.

Think about this the next time you are using Microsoft Windows, which easily has millions of lines of code.

## **ASQ CONFERENCE NOTIFICATION**

[World Conference on Quality and Improvement](#)

April 30-May 2, 2007 • Orlando, Florida

Remember that our section will have a conference locally—coming Fall of 2007!

## **SUN COUNTRY SCIENCE FAIR**

JOSEPH LISSBERGER

April is the month that the winners of the Sun Country Science Fair come to our meeting and give a presentation on their projects and also receive their certificates from the section.

This meeting will give the members a chance to meet and appreciate the knowledge that the winners of the Sun Country Science Fair possess. We know them with our awards now we get a chance to meet them and hear about their projects and plans for their future. Let's get behind these fine young people and cheer them on into their future.

## **RE-CERTIFYING AND ASQ CERTIFICATIONS**

STEVEN SCHAFER

Out of a total of 8 member(s) whose **certifications expired December 2006**, 3 will lose their certifications if they do not re-certify by the end of June 2007, 0 member(s) re-certification are being processed and 5 member(s) completed their re-certifications.

Out of a total of 8 member(s) whose certifications **will expire June 2007**, 8 will lose their certifications if they do not re-certify by the end of December 2007, 0 member(s) re-certifications are being

processed and 0 member(s) completed their re-certifications.

**Members can re-certify early!** As long as you have enough points to re-certify early, you can. Your Certifications will be extended 3 years beyond the certification expiration date you currently have for your certification. So you don't lose anything by re-certifying early. Out of a total of 6 member(s) whose certifications will expire December 2007, 6 will lose their certifications if they do not re-certify by the end of June 2008, 0 member(s) re-certifications are being processed and 0 member(s) completed their re-certifications.

If anyone has questions on how to re-certify to extend their ASQ Certifications and/or how to synchronize them if they have more than one, please let me know. Re-certifying by exam now costs more money, since the prices went up January 2005 and is a lot more difficult than re-certifying. You can reach me, the Re-Certification Chair, at 915-612-7392 during working hours and at 915-584-0033 after hours. Both numbers have answering machines and if I don't answer, I will call you as soon as I can. You can also reach me via the Internet at [spikequate@sbcglobal.net](mailto:spikequate@sbcglobal.net). I am ready to help with any questions you might have about Re-Certifying or about any ASQ Certifications you might have, call me. The Re-Certification Journal is at the following link and will guide you in the re-certification process <http://www.asq.org/certification/recertification/rucredits/index.html>.

## Potential meeting and dinner schedule

MONTH	DAY	TOPIC	LOCATION
May 2007	16	Hospital Quality Management	
June 2007	20	Policy Quality Document	
July 2007		ASQ Section Officers training	EPCC ATC
August 2007		ASQ Section Officers training	EPCC ATC
September 2007			
October 2007	26	Quality Conference 2007 El Paso	Chair Joe; Publicity Alfonso Facility Hector

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Our Section is on-line! Make a suggestion – win a FREE meal! <http://asq1401.org>