



Greater El Paso
Section
The Global Voice of Quality™

Amigo Quality

Volume 38 Number 11

Welcome to the August 2018 issue of the Newsletter, your local provider of information and learning opportunities related to quality professionals.

Notice: The section is actively looking for volunteers willing to serve on the leadership committee. If you are willing to volunteer, please send an email letting us know your willingness to serve to Officers@asq1401.org with a subject of "Willing to serve on the leadership committee"

Membership Meeting

DATE: Wednesday, August 15, 2018

SCHEDULED TIME: 6:30 P.M to 8:00 PM

LOCATION: Kay Bailey Hutchinson Desalination Plant, 10751 Montana Ave.

TOUR GUIDE:	Art Diaz	Plant Tour
<u>Next Leadership Council Meeting</u>		
Saturday, September 15, 2018 from 9:00 am to 12 noon		
United Blood Services, 424 S. Mesa Hills Dr.		

THE CHAIR SPEAKS

SERGIO R. VEGA

Greetings to all our Quality Professionals!

Last month we had the once in lifetime opportunity to get a very detailed tour of the "Behind the Scenes at the El Paso International Airport".

If you have recently traveled out of our airport you probably have noticed the different changes that the luggage check-in process has gone through. Those of us that attended were very fortunate to actually see and visit the TSA restricted area that will be off limits once the Agency takes over on August 28 of this year.

Terry Sharpe, Assistant Director / Airport Development, gave us a very nice overview of the projects to maintain and improve our airport operations and explained how the operations are planned and funded.

Then Brian Walker, General Contractor from Hensel Phelps, explained the scale of the project and showed us all the different modifications and upgrades that the luggage conveyor systems have gone through, including the newly purchased luggage X-Ray state of the art equipment.



Brian Walker was our behind the scenes tour guide

We certainly have many things to be proud of living in this community and the El Paso International Airport is no exception.



ASQ appreciation award presented to Terry Sharpe

This month we are very happy to announce that we have arranged to attend a tour of the world's first commercial full-recovery desalination plant, the Kay Bailey Hutchinson Desalination Plant on Montana Ave. This plant uses desalination technology to turn salty or brackish water into fresh water and this is a huge accomplishment for the city of El Paso.

Hope to see all of you on Wednesday, August 15!

Sincerely yours,

Sergio R. Vega

Chair, ASQ Greater El Paso Section 1401

EDUCATION SECTION

KIM PRIES

Let's look at a somewhat esoteric topic called domain-specific languages. Recently, I had occasion to use the language Processing, which is at heart, a Java dialect. Processing is designed to support audiovisual results. It eliminates many of the Java annoyances while retaining Java power. Performance is reasonable. It is a good choice for

high school and college students and is strong enough to support the artistic community.

The student languages Scratch and Snap are also domain-specific languages. They run on a browser as a cloud application. They provide immediate feedback to new learners. They sit on top of JavaScript dialects. In the case of Scratch, it works with ActionScript, the JavaScript variant that supports Adobe Flash. This will change with Scratch 3, which will use HTML5, and presumably, true ECMAScript. Snap currently already uses JavaScript.

Another category of these languages is often implemented in versions of the Scheme language. This occurs, in part, because Scheme can easily be made to resemble just about any other language with macros. Racket is a dialect of Scheme that expands on Scheme. Most domain-specific languages are subsets of the language upon which they are based.

When I worked on a variety of older systems such as IBM mainframes, Harris H-1000s, DEC VAX computers, and more, I would use the tools at hand to generate code. In a sense I was creating a domain specific approach to solving a problem. Others might suggest I was simply emitting code for interpretation, but I would suggest I was also presenting a domain-specific solution. I have used FORTRAN, REXX, extended FORTRAN and anything that worked to create what I needed.

Those who have done extensive work with regular expressions realize that the regex approach is also a domain-specific language intended to manipulate text using a powerful shorthand. So, what is the benefit of using domain-specific languages? I would submit that it depends on the audience--this is not a cop out statement.

Scratch and Snap are clearly aimed at providing middle school and early high school students with immediate graphical feedback while not burdening them with the occasionally bizarre syntax of JavaScript

Processing is designed to provide students with a shorter trip to generating audio and visual output without the overhead of full Java

Some languages may keep users from using dangerous structures such as pointers while still permitting them to improve and change the existing body of code:

- Think about rail travel
- Bus travel
- Ship travel

We do this all the time in software development. Nowadays, very few developers do work in assembly code, yet that is the code that underlies the overwhelming bulk of what we do in higher-level languages.

FORTRAN is short for formula translation because FORTRAN was designed to provide simple code that resembled the mathematics in use when it was created. COBOL was designed to make report generation relatively straightforward. Even more to the point was RPG, the Report Program Generator language. APL was another language hamstrung by the requirement for a special keyboard, especially in the early days. And yes, I am really old and have worked on and off with many of these!

We also see domain specificity when we use dialects:

- Auto LISP has been used for years to program AutoCAD
- Boo is a Python-ish language used with the Unity game engine
- ActionScript itself is a dialect
- The Google cloud scripting language is a dialect of JavaScript
- CoffeeScript provides a way to compact the programming of JavaScript
- We have multiple functional language that sit on top of the Java Virtual Machine
 - Scala
 - Clojure
 - Java itself
- Various XEdit tools use REXX as an extension language
- EMACS uses eLISP as an extension language

My point is that I think dialects and domain-specific tools have a place in our programming world:

- Some are there to simplify
- Some are there to protect
- Some simply provide a tool that makes sense to subject-matter experts

I think it is to our long-range benefit that the world of programming remains fertile so that we avoid stagnation and closed-mindedness in our problem-solving efforts. Open your brain and think of the possibilities. Any one of us who does much coding at all can create a domain-specific language or find someone who can.

Check it out!

MANAGEMENT SYSTEMS

ALFONSO ENRIQUEZ

A Guru defined Quality as fit for use. Now in this time of vacation, when you travel think about the quality of the seats on the airplane. Some of us are more concerned about getting the cheapest flight, that we make it on time to the airport, and do not pay too much attention to the seats, of course you feel it when you seat in them, but how many people really look on the seats surface?, do you care if the cloth or vinyl or fur has wrinkles?

Now, some airplanes have seats with a tv screen, so that the passenger might play a game or watch a movie. This quality feature was very useful when the flight was delayed, and we were already on board, they said they had to fix a flat tire on the plane and we had to wait inside the plane, each passenger was able to select among different movies and games and made the waiting easier.

Maybe the airline conducted a survey and decided to add these tv screens on the back of the seats, and the airline implemented the system to delight the customers. It is very likely that now the tv screens will be a requirement and that fitness for use will include this feature.

And about the wrinkles on the seat, who cares? Well, I work in a company that produces plastic extruded retainers that help to reduce the wrinkles, and customers keep asking to reduce dimensions tolerances more and more. I ask myself are the car users the ones that are becoming more demanding about the wrinkles of the seat? Or it is only the interpretation of the employees about reducing variation? Even when users do not judge this feature as important. We need a new Quality Guru.

RE-CERTIFYING AND ASQ CERTIFICATIONS

STEVEN SCHAFER

Out of a total of 7 member(s) whose certifications expired December 2017, 1 member(s) are in the process of submitting their certifications and 5 member(s) completed their re-certifications.

Out of a total of 8 member(s) whose certifications expired June 2018, 3 will lose their certifications if they do not re-certify by the end of December 2018, 0 member(s) re-certifications are being processed and 5 member(s) completed their re-certifications.

Out of a total of 4 member(s) whose certifications will expire December 2018, 3 will lose their certifications if they do not re-certify by the end of June 2019, 0 member(s) re-certifications are being processed and 1 member(s) completed their re-certifications.

Members can re-certify early! As long as you have enough points you can re-certify as early as six months before your certification expires. 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. Remember, you can only claim points that you have accumulated up to the time you submit and these points need to be collected during your 3 year certification period. Out of a total of 11 member(s) whose certifications will expire June 2018, 10 will lose their certifications if they do not re-certify by the end of December 2019, 0 member(s) re-certifications are being processed and 1 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 costs more and is a lot more difficult than re-certifying through the accumulation of RU points. You can reach me, the Re-Certification Chair, at 915-241-4780 or (501) 615-8170. Please leave a message on the answering machine if no one answers and I will call back you as soon as I can. You can also reach me via the Internet at spikeguate@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 <https://asq.org/cert/recertification>

When re-certifying, always get the most recent Re-certification Journal information. The lasted Re-Certification Journal is January 2018. For ASQ

members the fee for one certification is \$69.00 and for two or more \$89.00; for non-members the fee for one \$109.00 and for two or more \$109.00 each).

Members who renew their membership early online will receive a coupon code: RCRT in which \$69.00 will be deducted off their recert fees. .

Projected Events					
2018	Month	Date	Day	Event	Location
	Aug	15	Wednesday	General Membership Meeting	Kay Bailey Hutchinson Desalination Plant Tour
	Sep	15	Saturday	Leadership Committee Meeting	United Blood Services 424 S. Mesa Hills Dr.
	Sep	19	Wednesday	General Membership Meeting	UTEP
	Oct	13	Saturday	Leadership Committee Meeting	United Blood Services 424 S. Mesa Hills Dr.
	Oct	17	Wednesday	General Membership Meeting	UTEP
	Nov	10	Saturday	Leadership Committee Meeting	TBD
	Nov	14	Wednesday	General Membership Meeting	UTEP
	Dec	8	Saturday	Christmas Dinner	Carlos & Mickey's

2018 Officers/Committee Chairs

<p>Chair: Sergio R. Vega Work Phone: (915) 860-6257 Cell Phone: (915) 276-1130 e-Mail: sergio.vega@dish.com</p>	<p>Internet Liaison: Jack Vaughn Home Phone: (915) 594-6662 Cell Phone: (915) 549-2014 e-Mail: jvaughn@utep.edu</p>
<p>Vice Chair: Evaristo Campos Torres Cell Phone: (915) 929-3142 e-Mail: evarito.campostorre@dish.com</p>	<p>Newsletter: Kim Pries Home: (915) 525-1724 e-Mail: jpries1@elp.rr.com or khpries@gmail.com</p>
<p>Treasurer: Rebecca Diaz Mobile Phone: (915) 321-0279 e-Mail: rbkgomez@yahoo.com</p>	<p>Publicity Chair: Fernando Urbina Phone: (915) 845-7700 e-Mail: furbina@sewsus.com</p>
<p>Secretary: Keith Fong Home Phone: (915) 351-7535 Work Phone: (915) 612-7147 e-Mail: fongk@asme.org</p>	<p>Refresher Classes/Workshops Chair: Hector Lugo Phone: (915) 208-2502 Home Phone: (915) 581-8091 e-Mail: h7totor@hotmail.com</p>
<p>Membership Chair: Vacant Cell Phone: e-Mail:</p>	<p>Business Student Section: Vacant Cell Phone: e-Mail:</p>
<p>Nominations Chair: Vacant Cell Phone: e-Mail:</p>	<p>Partners In Education: Vacant Cell Phone: e-Mail:</p>
<p>Auditing: Mark Aldred Phone: (575)343-2182 e-Mail: AldredAerospace@gmail.com</p>	<p>Asst Newsletter/Recert Chairman: Jack Vaughn Home Phone: (915) 594-6662 Cell Phone: (915) 549-2014 e-Mail: jvaughn@utep.edu</p>
<p>Education: Alfonso Enriquez Work Phone (915) 231-4571 e-Mail: alfonso.enriquez@att.net</p>	<p>Recertification Chair: Steven Schafer Home Phone: (915) 241-4780 e-Mail: spikequate@sbcglobal.net</p>