



Welcome to the April 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, April 18, 2018

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

LOCATION: UTEP, Union Building, Room 302 "University Suite"
351 W. University Ave.

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| SPEAKER: | Dr. Paul Kortenaar, Founding Director, El Paso Children's Museum |
| TOPIC: | The El Paso children's museum: What is the value-add proposition for families? |
| ABSTRACT: | Many new museums and businesses are challenged to meet their customers' expectations. But how do you help families who have no experience of a children's museum risk coming in the door when they don't know what to expect? Even the word "museum" can be intimidating to our target audience. For whom does the museum exist? How do we attract the families that need the museum and make them part of our membership community? This talk will identify challenges and solutions from cities across North America and then outline some challenges that are specific to El Paso and the new EPC Museum. |

Next Leadership Council Meeting

Saturday, May 5, 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 finally had the pleasure of meeting Mr. Kim Pries and as expected, he delivered a very clear and powerful message on the “Lack of Quality Methods in Education” in our very own school districts and the whole state of Texas. And how disappointing it is to have all this collected student data and not using the tools available to us to focus on the real root cause of the “low percentages” of different school subjects that itself do not tell us anything. Very good presentation Kim, thank you very much again.



Award presented to Mr. Kim Pries

In another note, Johnathan Miles, ASQ Student Chapter leader got together with the APICS group and toured our Dish Network Manufacturing facility on Monday, April 11. The 29 students that showed up were very

impressed with the tour and the plant. They asked several questions and Johnathan stated that they found it to be very interesting and beneficial. This is our way of giving back to the community and helping out the future leaders of our country. Thank you very much Johnathan for getting involved and leading this fine group of students.

This month, we are very fortunate that Keith Fong was able to invite Dr. Paul Kortennar, Founding Director of the El Paso Children's Museum to be our guest speaker. We are looking forward to his presentation and hope that all of you can join us as well.

As always, I once again, ask you to please promote our local ASQ chapter to as many people as possible, to co-workers, friends, relatives, students, etc. Thank you very much!

See you at the meeting on Wednesday, April 18 at UTEP!

Sincerely yours,

Sergio R. Vega

Chair, ASQ Greater El Paso Section 1401

AUTOMOTIVE SECTION

HECTOR LUGO

Thanks to all members for their contribution to this exciting automotive section. The following is the "winner" on this month:

While the world waits for self-driving vehicles, a quieter revolution has been taking place: the rise of infotainment and the connected car. Infotainment options run the gamut. They include digital radio, rear seat entertainment, voice recognition, and high-end audio.

Current-generation vehicles link to smartphones via Bluetooth, alert drivers about traffic problems, provide navigational help, and offer emergency roadside assistance. Besides, the infotainment system also helps improve automobile safety, the top priority for consumers. In a Deloitte study respondents worldwide gave their highest rankings to technology that helped in avoiding collisions or dangerous situations.

See you at the meeting!

EDUCATION SECTION

KIM PRIES

When I spoke at our March meeting, Sergio challenged my presentation in a constructive way. I pointed out many deficiencies in the public education system that appear to be long-term structural. He suggested we look at solutions. I tend to agree; however ...

On the surface, it would seem making improvements would be a welcome alternative to the far more common behavior of whining. My primary concern with taking simple corrective actions lies with the fact that we often see what the economists call “externalities.” The most common type of externality is an unforeseen negative effect caused by a seemingly positive intervention.

Interventionism is a favorite activity of politicians and bureaucrats alike because it gives the illusion that “yea, verily, we are doing something about this horrible situation.” Gun control is a typical example: with 300,000,000 guns in the hands of citizens, anything like real gun control is not even feasible.

I have become incredibly leery of interventionism due to both the externalities and the related “ego trip” of feeling like I am doing something for the welfare of someone else—particularly, when I don’t really know what that welfare would be. Interventionism smacks of arrogance.

So, do we sit back and do nothing. NO! Part of my talk pointed out the failure of public education to use either statistical process control (SPC) or designed experiments (DOE) or both. With the 1-2 punch of SPC and DOE we can at least provide ourselves with some reasonable expectation of positive results. Of course, we must realize they only work if we use them.

Check it out!

MANAGEMENT SYSTEMS

ALFONSO ENRIQUEZ

Jittering

I came across an example of an analysis of Design of Experiments in Biology, where the author added a normal random variable to the original data¹.

I have not known this method before, first I looked for the word in Montgomery book on Design of experiments² but I did not find neither the word nor the method, therefore I decided to google it. I found a good explanation in a blog related to the Statistical packages SAS³ where an example is presented in terms of the variable age: if a sample on people is collected and the age is recorder as an integer: 35,49,56,67. If the chart where you present the data does not look smooth, then we can add a random variable to reflect that someone might have written that his age was 67 ten days before his birthday, and another person might have recorded that she is 35 two days after her birthday.

A formula for the new data is: $x_{new} = x_{obs} + \text{jitter}$
Where jitter is a random number.

We might use jittering in Quality when we have a measurement device, let's say a caliper which gives readings like 1.35, 1.49, 1.56, 1.67 mm but we might know that the 1.67 could really be 1.668, and the 1.35 could really be 1.352.

¹Strand, A Class Notes on Experimental design. College of Charleston.

²Montgomery D. Design and Analysis of Experiments , International student version, Wiley 2015

³<https://blogs.sas.com/content/iml/2011/07/05/jittering-to-prevent-overplotting-in-statistical-graphics.html>

RE-CERTIFYING AND ASQ CERTIFICATIONS

STEVEN SCHAFER

Out of a total of 8 member(s) whose certifications expired December 2017, 0 member(s) are in the process of submitting their certifications and 8 member(s) completed their re-certifications.

Out of a total of 8 member(s) whose certifications expired December 2017, 3 will lose their certifications if they do not re-certify by the end of June 2018, 0 member(s) re-certifications are being processed and 5 member(s) completed their re-certifications.

Out of a total of 8 member(s) whose certifications will expire June 2018, 7 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 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 4 member(s) whose certifications will expire December 2018, 4 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 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 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 |
| | Apr | 18 | Wednesday | General Membership Meeting | UTEP, Union Building Room 302 "University Suite" 351 W. University Ave. |
| | May | 5 | Saturday | Leadership Committee Meeting | United Blood Services 424 S. Mesa Hills Dr. |
| | May | 16 | Wednesday | General Membership Meeting | UTEP, Union Building 351 W. University Ave. |
| | Jun | 9 | Saturday | Leadership Committee Meeting | TBD |
| | Jun | 20 | Wednesday | General Membership Meeting | UTEP, Union Building 351 W. University Ave. |

2018 Officers/Committee Chairs

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|--|---|
| <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: Jose Luis Torres Cell Phone: e-Mail: joseluis_td@yahoo.com</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> |