



Greater El Paso
Section
The Global Voice of Quality™

Amigo
Quality

Volume 41 Number 7

Welcome to the April 2021 issue of the Newsletter, your local provider of information and learning opportunities related to quality professionals.

To comply with COVID-19 social distancing requirements and to protect the health of our members guests and presenters the section is holding general membership meetings on ZOOM – see information below for sign on and telephone access.

General Membership Meeting	
DATE:	Tuesday , April 20, 2021
SPEAKER:	Jason D. Farley - UTEP Texas Manufacturing Assistance Center
TOPIC:	Lean Pros win with the Triple Threat
SCHEDULED TIME:	Zoom meeting begins 6:00 pm w informal discussions – Formal meeting starts 6:30 PM Mountain Time
LOCATION:	Zoom Meeting
WHO:	All members and guests are invited
COST:	Free

ASQ Section 1401 is inviting you to a scheduled Zoom meeting.

Topic: ASQ Section 1401 **General Membership Meeting**

Time: April 20, 2021 06:00 PM Mountain Time (US and Canada) The Zoom Meeting will start at 6:00 pm and the formal meeting will start at 6:30 pm Mountain Time (US and Canada).

Join Zoom Meeting

<https://zoom.us/j/98707307646?pwd=WjI1WDVKbno1UTZnY2FwUEQ0cTJZQT09>

Meeting ID: 987 0730 7646 Password: 585975

One tap mobile +13462487799,,98707307646#,,1#,585975# US (Houston)

Dial +1 346 248 7799 US (Houston)

Meeting ID: 987 0730 7646 Password: 585975

Leadership Committee Meeting

DATE:	Wednesday, May 5, 2021
SCHEDULED TIME:	6:00 PM to 7:30 PM
LOCATION:	Zoom Meeting (SEE DETAILS BELOW)
WHO:	All members are welcome to attend and participate in section management
COST:	Free

ASQ Section 1401 is inviting you to a scheduled Zoom meeting.

Topic: ASQ Section 1401 **Leadership Committee Meeting**

Time: May 5, 2021 06:00 PM Mountain Time (US and Canada)

Join Zoom Meeting

<https://zoom.us/j/99636529567?pwd=S252ZUorcXcxMXhDYUVPTUxTTENxZz09>

Meeting ID: 996 3652 9567

Password: 815989

One tap mobile

+13462487799,,99636529567#,,1#,815989# US (Houston)

+16699009128,,99636529567#,,1#,815989# US (San Jose)

Dial by your location

+1 346 248 7799 US (Houston)

+1 669 900 9128 US (San Jose)

Meeting ID: 996 3652 9567

Password: 815989

THE CHAIR SPEAKS

Keith Fong

First things first: Have you signed up for MyASQ? If you have already registered on ASQ.org, MyASQ uses the same username and password. If you haven't signed up, it's pretty simple—go to ASQ.org and register.

There is a lot of valuable information and networking available on MyASQ. In these days of web meetings, I've attended meetings across the country—I just look through the Events calendar for meetings that interest me at times when I can attend. I went to this month's Ann Arbor, MI Section 1010's meeting with Mark Graban talking about his book "Measures of Success."

This month our speaker will be Jason Farley of UTEP Texas Manufacturing Assistance Center. The presentation topic is "Lean Pros win with the Triple Threat." Jason has roughly 30 years of experience in manufacturing and consulting and he's going to share an idea inspired by professional sports and applying it to Lean and Quality. I think it's going to be very engaging and hope you'll join the meeting on Tuesday, April 20.

Our March presentation by Manny Treviño of Flagstone Foods and Global Food Safety was very interesting. I don't really know anything about that industry but the challenges are impressive (>200 pathogens, risk and ease of contamination) as are the standards and practices which provide safe food for us to eat. If you want to see it or check out the slide deck, just go to www.asq1401.org and click on the menu selection "Current Zoom Meetings" and the click on the "March 2021" selection.

AUTOMOTIVE SECTION

Hector Lugo

Thank you to all participants in this exciting section, and the winner of this month is the following: The 2021 model year marks the point where cars equipped with self-driving capabilities have moved beyond being a rare novelty to a small but growing fraction of the global rolling stock. While car makers are touting the many benefits of autonomous vehicles, some owners, such as Peter Fletcher, are also experiencing the technology's unintended consequences as their vehicles appear to be exhibiting sentient behavior (*Figure below*).



"The Tesla was sort of a retirement present to myself," said Fletcher, a highly respected tech journalist based in Maidstone, England. "Naturally, I ordered it with, as they say, all the bells and whistles, including the advanced autopilot feature. The sales agent told me it was very smart, but I'm pretty sure he wasn't talking about the sort of stuff that's been happening for the past few weeks."

The phenomenon hasn't been limited to Tesla. Reports of various types of sentient behavior, such as spontaneous platooning and showing deference to

vehicles of the same brand, have been reported in other makes, including GM vehicles equipped with SuperCruise, Honda's limited production Legend, and some Hyundai/Kia models.

Although it's too soon to draw conclusions, the spontaneous behavior exhibited by these cars may be a sign of some sort simple emergent sentience, according to Dr. John Yaya, an artificial-intelligence researcher at [YoYo Dyne Systems](#), Grovers Mill, N.J. "The GPUs they use in these advanced systems contain billions of logic gates, creating a level of complexity that's close to, or at the threshold for, exhibiting various types of [emergent behavior](#). And when you combine in the non-deterministic nature of GPU processors and the self-learning algorithms that many of these systems to fine-tune their software, I'm almost surprised that we aren't getting more reports of cars starting to think for themselves."

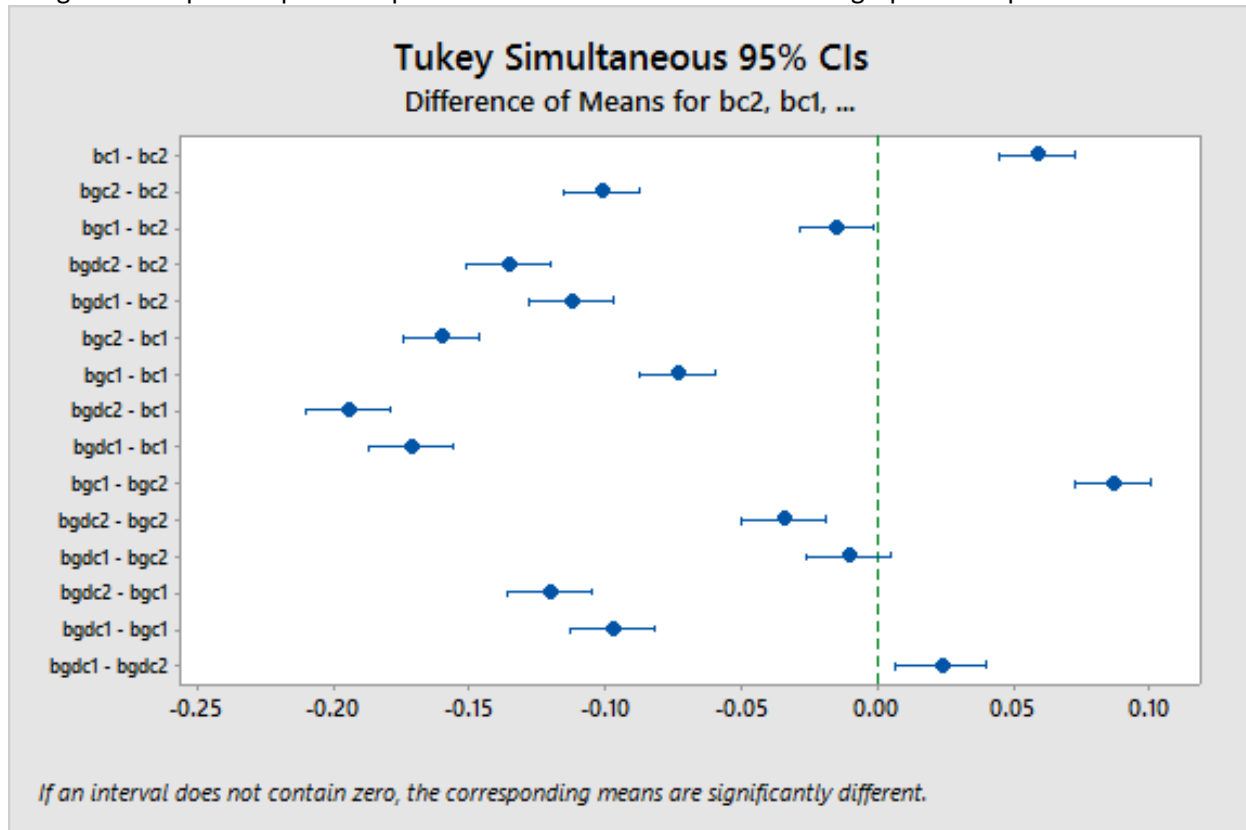
See you at the meeting!

Management Systems

By Alfonso Enriquez

An application of Tukey test in the production of beaded non-woven profile for the trim of the vehicle seat. Montgomery (1) presents the application of the Tukey test for pairwise comparison of means in section 3.5.7 of his DOE book. In the auto industry, seats have trim made of cloth that must be joined by plastic extrusion profiles, in some cases the beaded non-woven is used. The bead is a polymer profile, we add some glue and the non-woven is inserted in this profile. There is a production line with two outputs of this product, and to investigate variation, we wanted to compare the width and length of the cross section, for the two outputs, the bead without glue and without non-woven, bead with glue, bead with glue and non-woven.

We identified the treatments as: Bead only cavity 2 = bc2, Bead only cavity 1 = bc1, Bead and glue cavity 2 = bgc2, Bead and blue cavity 1 = bgc1, Bead, glue and non-woven cavity 2 = bgdc2, Bead, glue and non-woven cavity 1 = bgdc1. We ran the production line. Collected samples and measured the length and width, we did the One-Way ANOVA, to compare all treatments and the null hypothesis was rejected. We ran this in Minitab using the multiple comparison option for both dimensions. Here is the graphical output:



There is a significant difference between the means. We can explain how the dimension changes with the application of glue and non-woven.

- 1) Montgomery, D. "Design and Analysis of Experiments, Wiley, 8th Edition.

RE-CERTIFYING AND ASQ CERTIFICATIONS

STEVEN SCHAFER

- Recertification period expired: Out of a total of 8 member(s) whose certifications expired June 2020, 1 lost their certifications since they did not re-certify by the end of December 2020, 0 member(s) re-certifications are being processed and 7 member(s) completed their re-certifications.
- Urgent attention needed for Recertification (6 month grace period): Out of a total of 4 member(s) whose certifications will expired December 2020, 2 will lose their certifications if they do not re-certify by the end of June 2021, 0 member(s) re-certifications are being processed and 2 member(s) completed their re-certifications.
- Recertification Expiring: Out of a total of 5 member(s) whose certifications expire June 2021, 5 will lose their certifications if they do not re-certify by the end of December 2021, 0 member(s) re-certifications are being processed and 0 member(s) completed their re-certifications.
- Early Recertification period: Out of a total of 3 member(s) whose certifications will expire December 2021, 3 will lose their certifications if they do not re-certify by the end of June 2022, 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 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.

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 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 <https://asq.org/cert/recertification>.

In order to get to your online journal that will let you log all the recertification activities for your RU's (Recertification Units), you will need to log into your ASQ account at <https://asq.org> . Once in your account go to the recertification section and click on the Blue "ACCESS MY ONLINE JOURNAL" button.

When re-certifying, **always get the most recent Re-certification Journal information.** The latest Re-Certification Journal is October 2020. For ASQ members the fee for one certification is \$90.00 and for two or more \$110.00; for non-members the fee for one \$130.00 and for two or more \$130.00 each).

Projected Events				
Year	Month	Date	Event	Location
2021	April	20*	General Membership Meeting	ZOOM ONLINE MEETING
2021	May	5	LC Meeting	ZOOM ONLINE MEETING
2021	May	18*	General Membership Meeting	ZOOM ONLINE MEETING
2021	June	2	LC Meeting	ZOOM ONLINE MEETING
2021	June	15*	General Membership Meeting	ZOOM ONLINE MEETING

* Note, starting in January 2021, the General Membership Meetings will be held on the **THIRD TUESDAY** of each month.

The LC Meetings will continue to be held on the first Wednesday of each month.

2021 Officers/Committee Chairs

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<p>Treasurer: Evaristo Campos-Torres Work Phone: (915) 860-6287 Cell Phone: (915) 929-3142 e-Mail: evaristo.campostorre@dish.com</p>	<p>Auditing Chair, Newsletter Chair: Jack Vaughn Home Phone: (915) 594-6662 Cell Phone: (915) 549-2014 e-Mail: jvaughn@utep.edu</p>
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<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: spikeguate@sbcglobal.net</p>
<p>Publicity Chair: Morris Hendricks Phone: (419) 769-0121 e-Mail: Morrishe@aol.com</p>	<p>Nominations Chair: Angel Urbina Work Phone: (915) 231-7765 e-Mail: angel.urbina@toro.com</p>
<p>Partners In Education: Vacant Cell Phone: e-Mail:</p>	<p>Business Student Section: Vacant Cell Phone: e-Mail:</p>