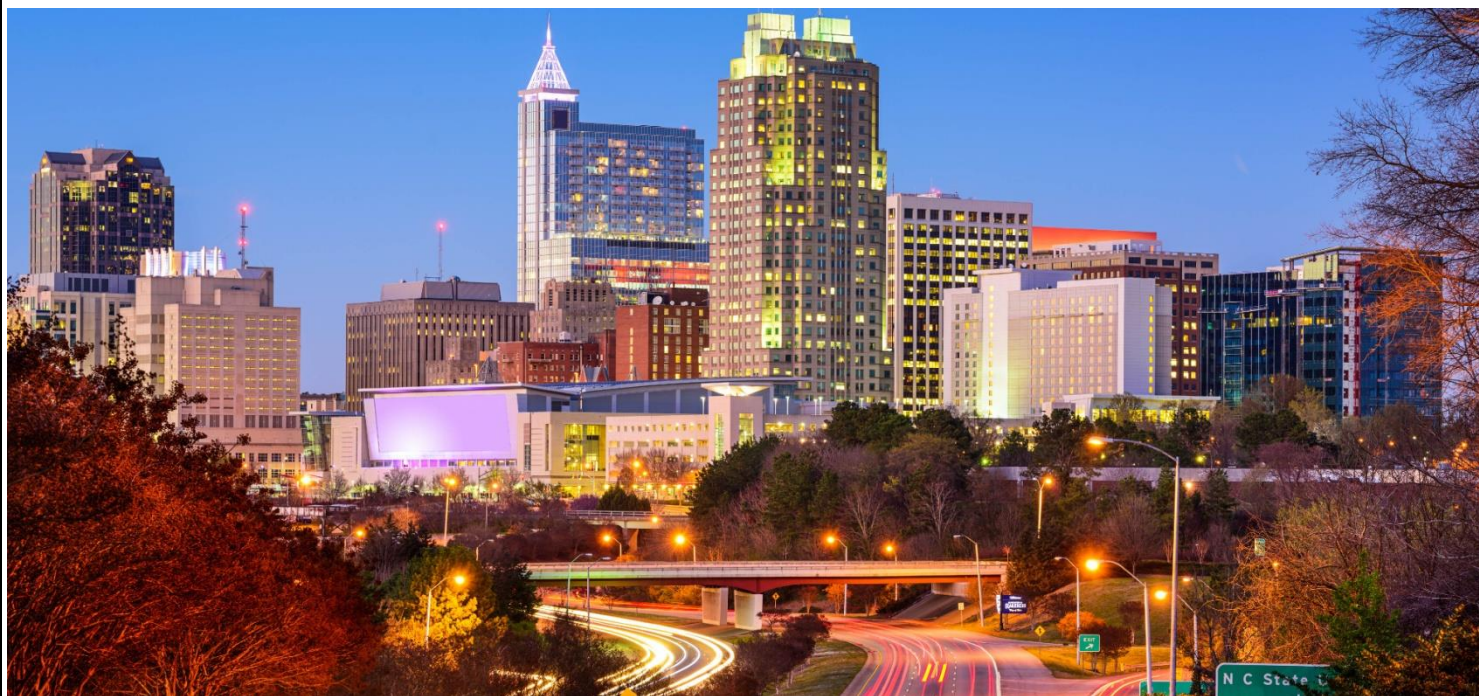


2019

# Strengthening Forensic Document Examination



## **77th Annual Meeting of the American Society of Questioned Document Examiners**

**August 4-8, 2019**

**Embassy Suites**

**Raleigh Durham/Research Triangle**

**Cary, North Carolina**

# Welcome to Cary!

We are pleased to welcome you to the 77<sup>th</sup> Annual Meeting of the  
**American Society of Questioned Document Examiners**

Please approach the following people (identified by the red ribbon on their name tags) if you have any questions or concerns.

## **ASQDE Executive Board**

ASQDE President F. L. "Jim" Lee Jr.  
ASQDE Vice President Samiah Ibrahim  
ASQDE Secretary Thomas W. Vastrick  
ASQDE Treasurer Lisa Hanson  
ASQDE Director Brenda Lanners  
ASQDE Director Kirsten Singer

## **2019 Annual General Meeting**

Site Chair Laura Mancebo  
Site Liaison Mike Zontini  
Program Co-Chairs:  
Kevin Kulbacki and Zain Bhaloo  
Exhibitor Coordinator: Linda Mitchell  
A/V Coordinator: Rigo Vargas

## **"Welcome" Ambassadors**

Members with green "Welcome" ribbons will help first-time guests get acclimated.

## **ASQDE Administrative Office**

Nanette Davis, Executive Assistant

**Papers are available for download on the "Papers" page at  
[www.asqdeconference.weebly.com](http://www.asqdeconference.weebly.com)  
See the password slip provided in your nametag holder.**

## ***Special thanks to our exhibitors...***

**Please make a point to visit the Exhibitor Show on Tuesday and Wednesday.**

**Foster + Freeman** – Meeting Sponsor and sponsor of the Welcome Lunch

**Regula Baltija** - Meeting Sponsor and sponsor of the President's Reception

**Wacom** – Meeting Supporter and sponsor of the Wednesday afternoon break

**Pikaso Software** – Exhibitor

**Zarbeco LLP** – Exhibitor

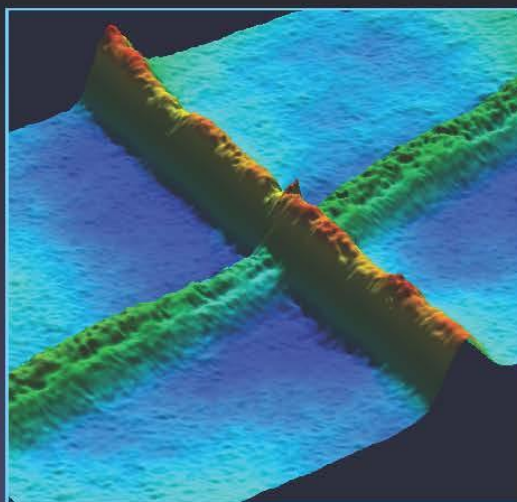
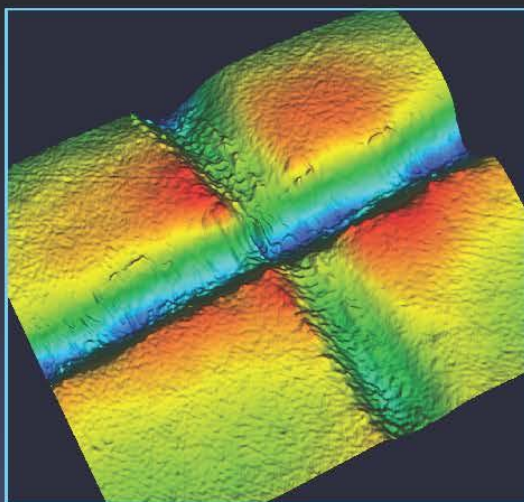
# ASQDE Meeting Schedule

<b>Saturday, Aug. 3</b>	Meeting Registration .....	3:30 - 5:30 pm
<b>Sunday, Aug. 4</b>	Meeting Registration .....	7:00 - 8:30 am
	Opening Remarks / Technical Session / Posters .....	8:30 - 12:00 pm
	Morning Break .....	10:05 - 10:20 am
	<i>Spouse/Family Breakfast</i> .....	9:00 - 10:30 am
	<b>Welcome Lunch sponsored by Foster &amp; Freeman ....</b>	<b>12:00 - 1:30 pm</b>
	Technical Session .....	1:30 - 5:00 pm
	Afternoon Break .....	3:10 - 3:25 pm
<b>Monday, Aug. 5</b>	WORKSHOP: Black Box Study .....	8:00 am - Noon
	Morning Break .....	9:45 - 10:00 am
	All Guests excused for the day .....	12:00 - 5:00 p.m.
	ASQDE Members Lunch/Business Meeting .....	12:15 - 5:00 pm
	Trainee/Junior Examiners Workshop .....	1:00 - 5:00 pm
	Afternoon Break .....	2:45 - 3:00 pm
	<b>President's Reception sponsored by Regula .....</b>	<b>5:30 - 7:00 pm</b>
<b>Tuesday, Aug. 6</b>	<b>Exhibitor Show and Posters All Day</b> .....	8:00 am - 5:00 pm
	Exhibitor introductions/ Technical Session .....	8:00 am - Noon
	Morning Break ( <i>last chance to buy outing tickets</i> ) .....	10:00 - 10:30 am
	Group Photo .....	11:30 am - Noon
	Lunch Break .....	12:00 - 1:15 pm
	WORKSHOP: Writing on Unusual Surfaces .....	1:15 - 5:00 pm
	Afternoon Break .....	3:00 - 3:30 pm
	Baseball game/BBQ buffet on stadium party deck .....	5:30 - 10:00 pm
	<i>(Pre-purchase of ticket required)</i>	
<b>Wednesday, Aug. 7</b>	<b>Exhibitor Show and Posters All Day</b> .....	8:00 am - 5:00 pm
	WORKSHOP: Nondestructive Exam of Inks .....	8:00 am - Noon
	Morning Break .....	9:45 - 10:15 am
	Lunch Break .....	12:00 - 1:15 pm
	Technical Session .....	1:15 - 5:00 pm
	<b>Afternoon Break sponsored by Wacom.....</b>	<b>2:30 - 3:00 pm</b>
	Cocktails .....	6:00 - 7:00 pm
	Banquet .....	7:00 - 10:00 pm
<b>Thursday, Aug. 8</b>	Technical Session .....	8:30 - 11:00 am
	Morning Break .....	9:55 - 10:10 am
	Closing Remarks .....	10:50 - 11:00 am
	F&F tour of security printing plant .....	11:30 am - 5:00 pm
	<i>(Pre-purchase of ticket required; includes box lunch)</i>	

The Embassy Suites offers free made-to-order breakfast daily as well as a free manager's reception for registered guests every weeknight from 5:30 to 7:30 p.m.

***ASQDE Hospitality Room hours to be announced.***

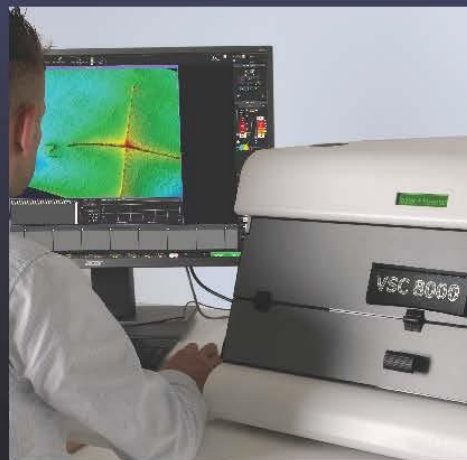
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The latest in a long list of Foster+Freeman QDE innovations, the new 3D imaging mode will be of interest to all professional document examiners but will have particular relevance to those involved in the inspection of signatures and handwriting, particularly in cases of proof of provenance and ownership dispute.



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# ASQDE Meeting Agenda

**All General Sessions Meet in Triangle Ballroom All Week**

## **Sunday, August 4**

7:00 AM – 8:30 AM	ASQDE Meeting Registration
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### **Moderator: Tobin Tanaka**

8:30 AM - 8:45 AM	Opening Remarks <i>Jim Lee</i>
8:45 AM - 9:05 AM	A Methodology Utilizing Type Font in the Determination of the Age of a Document <i>Kristen Welch</i>
<b>9:00 - 10:30 AM</b>	<b><i>Spouse/Family breakfast</i></b> <b><i>[Hospitality Room 225]</i></b>
9:05 AM – 10:00 AM	Poster Teasers
	Transitioning to Evaluative Reporting: Lessons being Learnt by the Australian and New Zealand Document Examination Community <i>Linda Jones, Dr Kaye Ballantyne</i>
	Fraudulent Receipts Printed with Ink Jet Technology using K-Fortification <i>Marie Durina</i>
	A Study of The Average Amount of Variation in Synchronous Signature Samples <i>Karen Nobles</i>
	What the Font is That! <i>Jeffrey Luber, Kirsten Breen, Rachel Valero, Ashley Tam</i>
	A Case of Temporary Insanity <i>Steven Drexler</i>
	Single Signatures: Writer Associations in Early America <i>Charlotte Ware</i>
	Rocketbook: Write, Scan, Erase <i>Erica Murray</i>
	Writing Speed and Fluidity, Writing Complexity, and Call Accuracy in Signature Comparisons <i>Mara Merlino, Derek Hammond, Taleb Al Namer, Guillermo Villalobos, Charlie Edwards</i>
	Feature Saliency and Call Accuracy in Simultaneous and Sequential Writing Comparison Tasks <i>Mara Merlino, Derek Hammond, Chandler Al Namer, Taleb Al Namer, Veronica Dahir, Charlie Edwards, Guillermo Villalobos</i>
	Training in Forensic Document Examination: Current Thoughts and Future Directions <i>Mara Merlino, Veronica Dahir, Derek Hammond, Charlie Edwards, Mauricio Alvarez, Guillermo Villalobos, Chris Swinger, Denise Schaar-Buis</i>



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## Sunday, August 4 (continued)

**Moderator: Tobin Tanaka**

9:05 AM – 10:00 AM	<b>Poster Teasers (continued)</b>
	Cognitive Human Factors and Feature Saliency in Forensic Handwriting Examination: Results from a Qualitative Interview <i>Charles Edwards</i> , Mara L. Merlino, Veronica B. Dahir, Derek Hammond, Denise Schaar-Buis, Taleb Al Namer, Chandler Al Namer, La'Quida Smith, Emily F. Wood, J. Guillermo Villalobos
	The Discrimination of Inkjet Printer Inks Using Micro Raman Spectroscopy Part II: Comparing Visual Inspection and Different Variants of Linear Discriminant Analysis Methods <i>Carrie Polston</i> , Patrick Buzzini, James Curran
	Analysis of Colored Felt-Tipped Blending Marker Ink Using Gray Value Measurements of Visual Spectral Data <i>Clarra Moore</i> , Dr. Patrick Buzzini
	The Shroud of Turin as a Document and the VP-8 Image Analyzer <i>Janis Winchester</i>
<b>10:05 - 10:20 AM</b>	<b>Morning break</b>
10:20 AM - 10:40 AM	Case Studies of Handwritten Indented Impressions <i>Stephanie Kingsbury</i>
10:40 AM – 11:00 AM	Standardization in Service of Forensics <i>Mary McKiel</i>
11:00 AM - 11:20 AM	Between the Orient and the Occident: Differences in the Application of Handwriting Analysis Concept and Terminology <i>Jinwoo Choi</i> , Mijung Choi
11:20 AM - 11:40 AM	Automated Authentication of Driver's Licenses: Challenges and Solutions <i>Jim Ross</i>
11:40 AM – Noon	Reasons for Qualified Opinions in Forensic Document Examination <i>Jane Lewis</i>
<b>12:00 - 1:30 PM</b>	<b>Welcome Lunch and presentation sponsored by Foster &amp; Freeman: "An Update from Foster &amp; Freeman"</b>

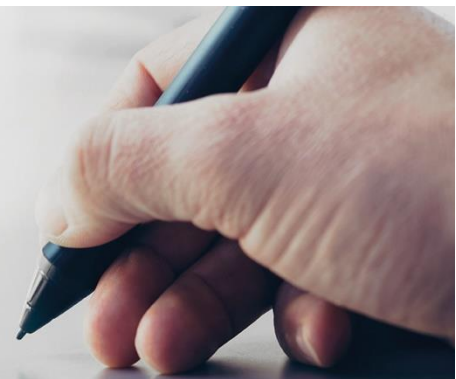
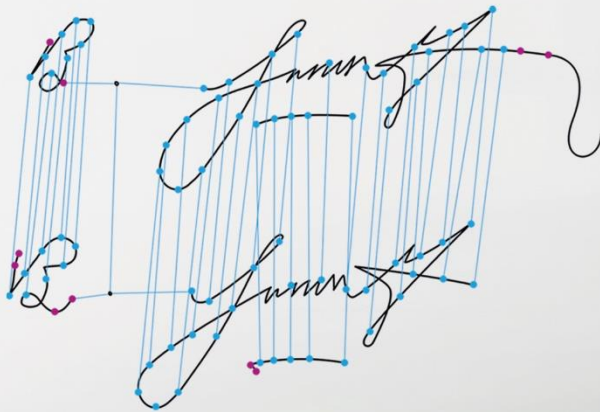
**If you did not already pre-order them, tickets may be purchased (while supplies last) at the registration table through Tuesday morning break for:**

- Tuesday evening baseball game outing (which includes barbeque buffet dinner) - \$40 each (open to all attendees, vendors, and family members)
- Thursday afternoon Foster & Freeman-sponsored tour of the security printing plant (includes box lunch) - \$20 each

## Sunday, August 4 (continued)

**Moderator: Kristen Welch**

1:30 PM - 2:30 PM	Digital Capture and Comparison of Indented Writing Developed with an Electronic Detection Device (EDD) <i>Mark Goff</i>
2:30 PM - 2:50 PM	Measuring the Frequency of Occurrence of Handwritten Numerals - An Extended Database <i>Thomas W. Vastrick</i> , Ellen Schuetzner, Kelsey Osborn
2:50 PM - 3:10 PM	Black Toner Comparison using Solubility Tests: A Case Report <i>Valery Aginsky</i>
<b>3:10 - 3:25 PM</b>	<b>Afternoon break</b>
3:25 PM - 3:45 PM	Where Have All the Cases Gone? Or, How Has the Work Changed? <i>Patricia Manzillo</i>
3:45 PM - 4:05 PM	The Kinematic Modeling of FDE Writership Opinion <i>Michael Caligiuri</i> , Danica Ommen, Cami Fuglsby, Christopher Saunders, Linton Mohammed, Jonathan Morris, Carlyne Bird
4:05 PM - 4:25 PM	An Efficient Way for Case Management <i>Linda Mitchell</i>
4:25 PM - 4:45 PM	An Evaluation of the Efficacy of an Electrostatic Detection Device as a Screening Tool for Latent Prints <i>Linton Mohammed</i> , Diane N. Do
4:45 PM - 5:00 PM	Introduction to Forensic Handwriting Examiner Decision Analysis Black Box Study <i>Brian Eckenrode</i>



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# Monday, August 5

**Moderator: Zain Bhaloo**

8:00 AM – 12:00 PM	Forensic Handwriting Examiner Decision Analysis Black Box Study: Physical Subtest <i>Linda Eisenhart</i> , Dr. Brian Eckenrode, Mr. Austin Hicklin, Jocelyn Abonamah, Colbey Ryman and Paige Riley
9:45 – 10:00 AM	<b>Morning break</b>
12:00 PM	<b>All guests excused for the afternoon to explore the city</b>
12:15 PM – 5:00 PM	ASQDE Member Lunch/Meeting <i>[CHIMNEY ROCK]</i>
1:00 PM – 5:00 PM	ASQDE Trainee Colloquium and Breakout Session <i>[HOPE]</i> <i>Tobin Tanaka</i> , Peter Tytell and Tobin Tanaka (Colloquium); Courtney Baird, Kristen Welch and Tobin Tanaka (Breakout Session)
2:45 – 3:00 PM	<b>Afternoon break</b>
5:30 – 7:00 PM	<b>President's Reception sponsored by Regula</b> <i>[BLOWING ROCK]</i>

**The following papers were submitted but not presented at the meeting:**

Why Facial Comparison is Part of QD  
*Mohammed Aloyoni*

Effective Communication: The Evolution of Standard Terminology  
*Mary Kelly*

Forgery Methods in The Venezuelan Notary and Public Registry System  
*Raymond Orta*

## Tuesday, August 6

### Exhibitor Show and breaks in Bellamy/Mendenhall

#### Moderator: Linda Mitchell

8:00 AM	Wacom Supporter Presentation <i>Larry Torri</i>
8:15 AM	Pikaso Software Exhibitor Presentation <i>Pierre Goudreault</i>
8:30 AM	Regula Sponsor Presentation <i>Dr. Arif Mamedov</i>
8:45 AM	Foster and Freeman Sponsor Presentation <i>David Tobin</i>
9:00 AM	Zarbeco Exhibitor Presentation <i>David Zwick</i>

#### Moderator: Linton Mohammed

9:15 AM - 10:00 AM	Proposal for a FHE process map (Based on the Logical Approach and Propositionally-Driven) <i>Brent Ostrum</i>
<b>10:00 - 10:30 AM</b>	<b>Morning break</b>
10:30 AM - 11:30 AM	Cognitive Human Factors and Forensic Document Examiner Methods and Procedures: Examination Context, Sufficiency of Writing Samples, and Opinions Strength Results <i>Mara Merlino</i> , Derek Hammond, Veronica Dahir, Taleb Al Namer, Chandler Al Namer, Charlie Edwards, Mauricio Alvarez, Guillermo Villalobos, La'Quida Smith
<b>11:30 AM – 12:00 PM</b>	<b>Group photo</b>
<b>12:00 - 1:15 PM</b>	<b>Lunch break (on your own)</b>
1:15 PM – 5:00 PM	Writing On Unusual Surfaces <i>Gregg Mokrzycki, Peter Belcastro Jr.</i>
<b>3:00 - 3:30 PM</b>	<b>Afternoon break</b>
5:30 – 10:00 PM	Leave for Baseball game/BBQ dinner outing (pre-purchase required). <b>Ticketholders to meet in hotel lobby at 5:30 p.m.</b>

# Wednesday, August 7

**Moderator: Jim Ross**

8:00 AM – 12:00 PM	Non-destructive Examination of Ink <i>Linton Mohammed</i> , Peter V. Tytell
<b>9:45 - 10:15 AM</b>	<b>Morning break</b>
<b>12:00 - 1:15 PM</b>	<b>Lunch break (on your own)</b>
1:15 PM - 1:35 PM	Assessing the Impacts of Induction Spatial Effects on Magnetic Flux Measurements of Toners <i>Carrie Polston</i> , David E. Thompson, Patrick Buzzini, Yuriy Agalidii, Arif Mamedov
1:35 PM - 2:00 PM	A Strategic-Pragmatic approach to Forensic Document Examination <i>Peter Pfefferli</i>
2:00 PM - 2:30 PM	The ASQDE Resource Center: UPDATE <i>Courtney King Baird</i> , Diane K. Tolliver, Michelle M. Kanning
<b>2:30 - 3:00 PM</b>	<b>Afternoon break sponsored by Wacom Technology: Old Fashioned Ice Cream Bar</b>
3:00 PM - 4:00 PM	Statistical Analysis of Handwritten Glyphs for Writer Identification <i>Amy Crawford</i> , Drs. Nicholas Berry, Alicia Carriquiry, and Danica Ommen
4:00 PM - 4:20 PM	Questions & Answers
6:00 - 7:00 PM	Cocktail reception <i>[BILTMORE/HOPE]</i>
7:00 - 10:00 PM	ASQDE Banquet <i>[CHIMNEY ROCK]</i>

## REMINDER

All papers submitted for the conference are available for download at the conference website on the password-protected “Papers” page.

[www.asqdeconference.weebly.com](http://www.asqdeconference.weebly.com)

The password is included on a slip in your nametag.  
*Download promptly, as the password is valid  
through September 8, 2019.*

## Thursday, August 8

### Moderator: Zain Bhaloo

8:30 AM - 8:50 AM	Thin-Layer Chromatography of Inks: Efficiency of Separation of Ink Components <i>Valery Aginsky</i>
8:50 AM - 9:10 AM	A Machine-Made Indentation Mystery <i>Larry Olson</i>
9:10 AM - 9:55 AM	The Bureau of Engraving and Printing's Mutilated Currency Division: How to Recover the \$2,000,000 You Buried in Your Garage <i>Tryst Hensell</i>
<b>9:55 - 10:10 AM</b>	<b>Morning break</b>
10:10 AM - 10:30 AM	ST2AR "Redux" <i>Derek Hammond</i> , Dr. Mara Merlino, Jan Kelly, Linda Jones, Brent Ostrum, Jonathan Morris
10:30 AM - 10:40 AM	Questions & Answers
10:40 AM - 10:50 AM	Next Meeting Update <i>Mark Goff</i>
10:50 AM - 11:00 AM	Closing Remarks <i>Jim Lee</i>

### POST-AGM TOUR:

Ticketholders for the tour of the security printing plant should meet in the hotel lobby at 11:30 a.m. to board the shuttle and pick up their box lunch. Ticketholders must have their passport or USA driver license with them.

### ***Mark Your Calendar!***

The 78<sup>th</sup> Annual ASQDE Meeting will be held August 10-14, 2020  
Bavarian Inn Lodge – Frankenmuth, Michigan

**Check the ASQDE website at [www.asqde.org](http://www.asqde.org) for updates**