

Summer 2016

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Greetings From the Chair: Marion Bize



Hello ECD Members,

We enjoyed seeing several of you at the World Conference on Quality and Improvement in Milwaukee, WI, in May. At this year's WCQI our chair-elect, Lucy Kahn, was inducted as a new ASQ Fellow. Congratulations, Lucy!

Planning for next year's conference in Charlotte, NC, is already underway. Each speaker selected gets their conference fee waived—so there is an incentive to submit a paper. In addition, you could be eligible for the ECD Best Paper Award.

This is your opportunity to share with the rest of the quality community the information that you are expert in. Visit asq.org/conferences-events.html for details.

We are pleased to announce the recipient of the 2016 ECD scholarship, Melissa Downes. Please see the article in this issue of the newsletter for more details. If you missed this year's scholarship deadline, check the website and newsletter this fall for the 2017 scholarship.

Plans are in full swing for the annual Reliability and Maintainability Symposium (RAMS®), which will be held at the Rosen Plaza Hotel in Orlando, FL, January 23 – 26, 2017. RAMS® is the premier event in the reliability, availability, and maintainability engineering disciplines. Make plans now to attend this exciting conference in Orlando. Registration opens in July, and one of your benefits as an ECD member is a discount on registration for RAMS.

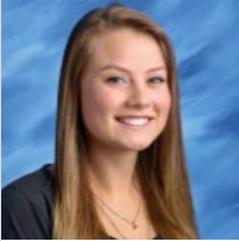
This is an election year for the ECD, and we will have a new slate of officers assume their positions in January 2017. If you are interested in serving the ECD in a leadership role, please contact Charlie Plotkin at cplotkin@ameritech.net to learn more about the nomination process.

Your feedback to the division is critical to ensure we are continually improving the value we provide to our members. If you have an idea, please let us know. Whether you have been a member of the ECD for one month or several years, your input and participation are welcomed and encouraged. A list of open positions is included in this newsletter. For more information you may contact me or another member of the leadership council. You can find our contact information [here](#).

Regards,
Marion Bize

2016 Electronics and Communications Division Scholarship

The Electronics and Communications Division Scholarship Committee is pleased to announce it has awarded a \$1,500 scholarship to Melissa J. Downes, from Randolph, NJ.



Melissa Downes

Melissa Downes is a senior and honor roll student at Randolph High School. She has a 4.1 GPA and ranks in the top 20 percent of her high school class. Melissa plans to enroll in a six-year pharmacy degree program at Rutgers University. She is an avid lacrosse player; she is the team captain, has started every varsity game during her four-year high school career, and has earned Second Team All-League distinction. Melissa works

part-time as a recreation assistant for Forge Fitness at the U.S. Army's Picatinny Arsenal, in Dover, NJ. In addition, she volunteers for the Morris County Chapter for Habitat for Humanity.

The Electronics and Communications Division's Scholarship Committee and its Management Committee wish Melissa Downes the very best during her academic career and congratulate her on this noteworthy accomplishment.

Additional information about the Electronics and Communications Division and its scholarship is available at asq.org/ec.

ASQ Electronics and Communications Division 2017 Scholarship Application Now Available

Applications are now available for the Electronics and Communications Division's scholarship! This \$2,500 scholarship fund was created to help members, their family, or friends defray the costs associated with college expenses. Scholarship funds will be dispersed to one or more deserving students in the spring of 2017.

Applications must be postmarked no later than February 15, 2017.

Applications can be downloaded from the ASQ Electronics and Communications Division website at asq.org/ec/member-services/ec-award.html.

Applications can also be obtained by contacting Jim Spichiger at 740-349-3708 or jim.spichiger@hotmail.com.



Lucy Kahn Announced as ASQ Fellow

Lucy Kahn is a retired product quality manager technical lead for indirect fire munitions combat armament system mortars within the U.S. Army Armament Research Development and Engineering Center (ARDEC), quality engineering and system assurance (QE&SA). She holds a bachelor of science degree in chemistry from the University of Southern Philippines. In addition, she has a master of science in management and project management, both from Florida Institute of Technology. Kahn has more than 35 years of quality assurance experience.

Kahn is a Retired Master Sergeant in the U.S. Air Force Reserve and past total quality management instructor. She is an ASQ Certified Quality Auditor

(CQA). She was active as an examiner and Army examiner for the Malcolm Baldrige National Quality Award for many years. She has an Army Lean Six Sigma Green Belt and Lean Six Sigma Black Belt.

Kahn is a major contributor to the ASQ North Jersey Section 304 as the past chair. Furthermore, she is the North Jersey Section Annual Spring Quality Conference chair, quality management process (QMP) chair, which is now Performance Award and Recognition (PAR), and section NEQC representative. Currently, she is the 2016 chair-elect for the ASQ Electronics and Communications Division.

Her goal is to help other people achieve their goals.

Maximizing Your ASQ Benefits

Are you getting the most from your ASQ membership? You might be eligible to be a Senior member. Senior members receive enhanced benefits for the same cost. As a Senior member, you can receive one journal, join two additional divisions, or select an additional section with no increase in dues.

Also, if you have ever thought about advancement to Fellow, a Fellow member must first be a Senior member for at least the past five calendar years.

Requirements for Senior membership:

- Be an ASQ Full member in good standing for at least one calendar year prior to the date of application for advancement. Note: Your Full membership must be paid for the current membership year before ASQ is able to process your advancement.
- Have 10 years of active professional experience. Up to four years of this requirement may be satisfied by graduation from an accredited college, university, or similar institution.
- Meet one of the following qualifications:
 - Have conducted quality-related engineering, inspection or audit, or statistical work, or applied the methods and principles of quality on the job for at least two years.
 - Have taught quality or related arts or sciences at an accredited institution for at least two years.
 - Have been a Senior member or comparable type in a recognized professional organization.
 - Currently hold an ASQ certification that requires recertification.

CALL for PAPERS!

39th ASQ North Jersey Annual Spring Quality Training Conference April 13, 2017

Conference is organized by the ASQ North Jersey Section 304
<http://springqualityconf.org/>

Location: **Marriott Hanover**, Whippany, NJ
1401 Route 10 east, near I-287

Proposals will be reviewed by the committee for relevance, innovation, demonstrated application, and technical content. Priority will be given to new and unique approaches that have resulted in measurable improvements to organizational processes and customer satisfaction. The following is a list of suggested topics; however, you are not limited to the list. Feel free to send proposals in all areas you feel are relevant to this year's theme.

Theme: **Quality Takes More Than Luck**

You are going to like this conference. There will be approximately 17 speakers, four tracks, a keynote address, vendor area, continental breakfast, four-course lunch, ice cream break, and plenty of networking opportunities. (We draw between 175 and 300 attendees each year.) Send an abstract to parrillosr@aol.com and join the team!

Some Proposed Focus Areas:

- **Leadership** (innovation, change, empowerment, alignment to goals)
- **Auditing** (internal, external, third party, ISO, 16949, GMP)
- **What's New** (environmental, regulatory, lessons learned, etc.)
- **Electronics** (J-Standard, testing, inspecting, CEPM)
- **FDA Regulated** (pharma, medical devices, lessons learned, ISO 14971)
- **Lean and Six Sigma**
- **Risk**

Timeline to Submit:

Deadline: September 30, 2016

See our website for details:

asqnorthjersey.org

The ECD Technical Committees

Restriction of Hazardous Substances (RoHS)

ECD is looking for a chair to head this committee. If you are a subject matter expert and would like to get involved, please contact **Marion Bize** at mbize.tl9k@gmail.com.

Goals

- Invite articles on RoHS for the ECD newsletter, *Continuity*.
- Encourage member discussion on RoHS-related issues on the ASQ discussion boards.
- Educate the quality community on RoHS at future conferences.
- Solicit and submit papers on RoHS to ASQ conferences.
- Encourage publication of RoHS-related articles in *Quality Progress*, *Quality Digest*, and other publications.

The group is looking for members interested in joining the conversation and looking at quality's role in the management of issues related to RoHS compliance.

What Is RoHS?

RoHS is the reduction of hazardous substances. Legislation is pending or has been enacted around the world to document and/or reduce the amount of hazardous substances used in manufacturing. The six primary substances associated with the RoHS designation include: cadmium, hexavalent chromium, lead, mercury, polybrominated biphenyls (PBB), and polybrominated diphenylethers (PBDE). Legislation varies around the world. EU RoHS, China RoHS, and Japan Green are some examples of released standards, along with state specific legislation in California in the United States. Many companies have turned to their quality function to manage their RoHS compliance needs. This includes working with documentation of design requirements, ensuring due diligence is met, and evaluation of the reliability of the new systems. RoHS legislation will ultimately affect any company in the electronics and communications industries.

Chairs: TBD

Communications Technical Committee

The Communications Technical Committee interacts with the telecommunications industry through participation in the QuEST Forum conferences and local ASQ sections. Members of the committee contributed to the creation of the QuEST Forum and the development of the telecommunications quality management standard, TL 9000. Committee chair is **Ashok Dandekar**, adandekar@us.fujitsu.com.

The Electronics Technical Committee

The Electronics Technical Committee covers a wide range of markets including data networking, supply chain management, industrial automation, audio and video systems, security and surveillance, aerospace, and many other specialty electronics markets. The products include test equipment, copper and fiber optic cables, connectors, cable management products, power equipment, RFID products, and a whole variety of microelectronics equipment.

Quality and reliability have played leading roles in advancing the development of tools to manage the manufacturing and distribution of electronic equipment. One example is the manufacture of components used to reduce failures in the field from harsh environments. The Electronics Committee is chaired by **Bernie Carpenter**, carp76four@aol.com.

The Nanotechnology Committee

What is nanotechnology? The most enduring definition remains "at least one dimension being 0.1 – 300 nanometers" where one nanometer is one-millionth of a millimeter. For comparison, the wave length of green light (the center of the human visible range) is 550 nanometers. Thus, natural inhabitants of the nano world include DNA (small), proteins (typical), and viruses (large). Avenues to the nanoscale include the bottom-up approach (an additive process) and top-down approach (subtractive process). The U.S. Advanced Manufacturing National Program Office (AMNPO) proposed additive processing as the first focus of up to 15 centers of excellence in the National Network for Manufacturing Innovation (NNMI). The ECD Nanotechnology Committee co-chairs are **Sanjiv Rai**, s.r@ieee.org, and **Marc Kelemen**, nanomarc@wowway.com.

ECD Operations Manual

The *ECD Operations Manual* is available on the website at the top of the leadership page. Find it asq.org/ec/about/DIV_EC_OPSMANUAL_COPY.

ECD Website, Discussion Boards, and Blogs

- ECD website: asq.org/ec/index.html
- [ECD Discussion Board](#)
- What's New in Standards: Visit the site at asq.org/knowledge-center/standards/index.html

Nominating Committee Report

The Nominating Committee has identified the following slate of elected officers for ECD for the next two-year term, January 1, 2017 through December 31, 2018:

Immediate Past Chair: Marion Bize

Chair: Lucy Kahn

Chair-Elect: Mel Downes

Treasurer: Marc Kelemen

Secretary: Gertrude Martin

Immediate past chair and chair positions are automatic move-up roles within the office of the chair.

If additional candidates for the remaining positions are identified by submission of petition signed by 10 regular paid members, then an election will be held. Such petitions, if any, shall be submitted to Charlie Plotkin, current immediate past chair and Nominating Committee chair at cplotkin@ameritech.net no later than **September 30, 2016**.

Remember, there are also several additional highly rewarding appointed volunteer positions to be filled. Feel free to contact any ECD officer to discuss how you can contribute.

ECD Leadership Roster

Chair *Marion Bize*

Fujitsu Network Communications
Richardson, TX

Phone: 972-479-2157

Email: mbize.tl9k@gmail.com

Chair-Elect *Lucy Kahn*

North Bergen, NJ

Phone: 201-861-2369

Email: lddy@aol.com

Treasurer *Melvin Downes*

Phone: 973-216-0070

Email: mcscam@optonline.net

Secretary *Marc Kelemen*

Avon, OH

Phone: 440-567-6276

Email: nanomarc@wowway.com

For the full leadership roster, go to:

asq.org/ec/about/leadership-ec.html

Volunteer Opportunities

ECD needs volunteer leaders. ECD is like most organizations—you tend to get more from your membership when you put more into the organization. We need volunteers for volunteer speakers at section meetings and conferences, volunteers to serve on committees, and volunteers to serve in officer positions in the future.

The vacant positions are identified below. Some ASQ regions are very large and can have more than one regional counselor. Feel free to volunteer to serve as a regional counselor even if one or more of your colleagues are already listed for your region. Please consider volunteering to serve the ECD in some capacity. Email anyone on the leadership roster for more information on how to volunteer.

Volunteer opportunities include:

- RoHS Committee chair
- ECD operations manual chair
- Some ECD regional counselors
- ECD section representatives
- Nanotechnical Committee discussion board and blog chair
- Writing articles for our newsletter and other opportunities
- Speaking at section events
- Speaking at conferences
- Other (please specify)

In your reply, please include: name, membership number, address, phone, and email.

Send email to: ECD chair *Marion Bize* at mbize.tl9k@gmail.com.

If you would like to publish an article in this newsletter, send a completed draft to *Michael Parrillo*, ECD newsletter editor (parrillosr@aol.com). Articles will be submitted to the ECD board members for approval. Articles must be related to quality assurance/control. Articles with subject matter in direct relation to ECD will get top priority. Thank you.