Inside This Issue

Notes from the Chair

Fall Conference

We are very excited about our fall conference, coming up soon in Dayton, OH! In addition to the many stimulating and challenging presentations on the program, we've got some things planned that you may not usually find at a professional conference. Ever been to a center for training, researching, and simulating drone technology? Or relaxed at a 3D printing bar where you can invent while enjoying your favorite beverage? There won't be a dull moment and we sincerely hope you can join us.

Keynote speaker Stephen Hacker, ASQ Past Chair, will talk *transformatively* about transformation – that essential element of innovation. In addition to international speakers for an "around the globe" look at innovation, you'll have a variety of presentation types to attend, including our own **Innovation Games**! We're sure you'll have a blast, learn a lot, and meet some interesting people. Find all the details at http://asq.org/innovation-group/About/innovation-conference.

Social Media: New LinkedIn Page, Old Twitter Account!

Have you checked out our LinkedIn site? Go to the **Innovation@ASQ** Group on LI and ask to join. We hope all our division members will become active on this site and use it to share ideas and interesting finds about innovation and quality.

These are just a couple of ways in which the division is providing information and value to you – our members. Find other opportunities in this newsletter, and as always, let us know what works for you and what other resources you would find helpful. And don't forget to follow us on Twitter: @asqinnovation Hope to see you in Dayton in October!

Jane Keathley
Innovation Division Chair

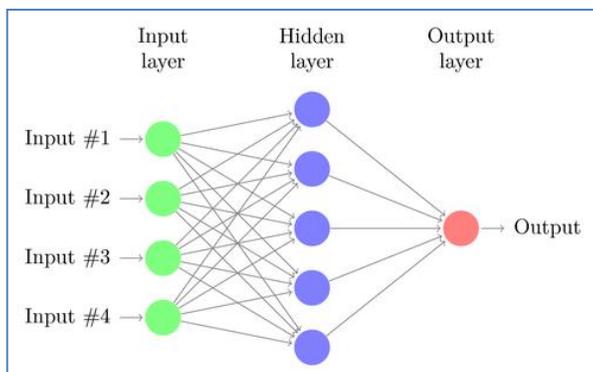## PAR 2017 Innovation Award – Judge Recruitment Underway

Member Units are in the process of developing their applications for the PAR Innovation Award for 2017, and we are recruiting judges to evaluate those applications. Many of our judges in previous award cycles are Innovation Division members – this is a wonderful way to use your innovation expertise and help out an ASQ Innovation initiative.

Judges receive training, after which they are assigned to a panel of 3 judges to review a set of applications. Judges must conduct an independent review of each application and then work together with other members of their panel to reach a consensus evaluation of the application along with a recommended award level. Training begins in the fall and judging takes place in December through January 2018.

Please consider applying to be a judge this year. You should have received an email describing the judge application process. If you'd like to know more, contact PAR Committee members Jane Keathley or Belinda Chavez, or Chris DeMartino at ASQ.

Disruptive Technologies: Artificial Intelligence (AI), Machine Learning (ML), and Quality (Webinar)

Have you ever wanted to learn more about artificial intelligence (AI), machine learning (ML), neural networks, deep learning, Big Data, or cyber-physical systems? This new on-demand webinar from ASQ, presented by Innovation Division member Nicole Radziwill, explains each of these terms in the context of the quality profession.

Starting with an overview of production systems from ancient times to present, the concept of "Industry 4.0" and how it relates to ASQ's new "Quality 4.0" is summarized. Next, the relationships between quality and innovation are described so you can understand why these new disruptive technologies are. Finally, terms, definitions, and relationships are explained, and a brief example is presented to help you make sense of what these technologies might be able to do for you and your organization.

Play the webinar at any time by retrieving it from ASQ or Google Drive. It is an .arf file so a special WebEx viewer is required (available from the ASQ link):

- https://asq.webex.com/mw3100/mywebex/nbrDownload.do?siteurl=asq

- https://drive.google.com/open?id=0B4VN55HxlNvKZkdtRFN3M2toYWs

Division Leadership Opportunities

Thank You!

Thanks to our new Leadership Team members! We appreciate your participation. Current leadership members and their roles are shown in the table. We are looking for help with the following:

Internet Liaison – work with Ian Meggarrey on the division technical platform, including point–of–contact with ASQ on our website and SharePoint, as well as assisting with social media sites and other technical division internet needs

2018 WCQI Booth Chair – design and plan the division booth in the Exhibit Hall for the 2018 WCQI conference in Seattle; the booth is a key mechanism for interacting with our members at the WCQI and is a lot of fun – the person in this role will be supported by previous booth chairs – no experience necessary!

General Interest – if there is a leadership role you're interested in helping with, please let me know – supporting a current leader can help share the load and is always appreciated. In addition, we are establishing a leadership pipeline for future leadership needs – please consider joining the team.
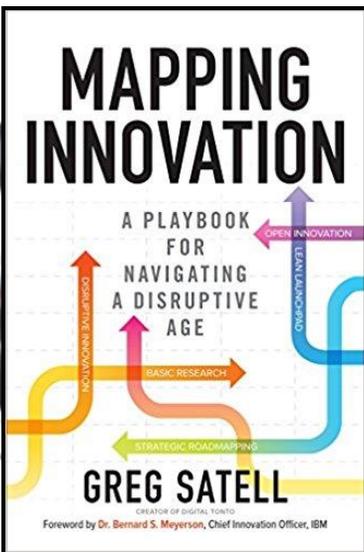
Jane Keathley
Innovation Division Chair

2017 Chair – Jane Keathley	Education Chair – José Valdivia, Angela Hashemi	VOC Chair – Kymm Hockman, Ron Makar (Liaison w/ Membership)
Chair Elect – Tracy Owens	Newsletters – Nicole Radziwill	Internet Liaison – Ian Meggarrey and **YOU?**
Secretary – Dan Jones	Nominations – Peter Merrill, Tracy Owens, Jane Keathley	YQP/Student Liaison – Will LaFollette
Treasurer – Tammy D'Alto	QBoK – Jim Nelson, Kateri Brunell, Jane Keathley, Nikhil Venkatesan, Mark Nestle	Membership Chair – Rick Fernandez, Ron Makar (Liaison with VoC)
Audit Chair – Vincent Miller	TCC Liaison – Peter Merrill	Speaker's Bureau – Rhonda Farrell

Mapping Innovation: A Playbook for Navigating a Disruptive Age

(Book Review)

In his new book [available on Amazon](#), business writer Greg Satell skillfully uses stories to explore the process, products, and experience of innovation. Starting with the story of Doug Engelbart's introduction of the computer mouse to attendees of an engineering conference in 1968 San Francisco, he examines the changes catalyzed by that past event to reveal clues for our future: how do we choose the right path?

In the first part of the book, he describes the process of innovation – combining and recombining ideas, in new contexts, by combinations of people with different backgrounds and experiences, and from different disciplines.

In Part 2, he introduces the "Innovation Framework" and explains how the innovation efforts at top companies fit into this conceptual model. In this framework, there are two dimensions: the *problem definition* and the *domain definition*. Basic research occurs where both are not well defined, while disruptive innovation occurs where the domain is well defined while the problem is not. Breakthrough innovation is the opposite: the domain is not well defined, but the problem itself is.

Although you may be familiar with Google's "20% Discretionary Time" as a vehicle for innovation, Satell also discusses the "Three Horizons" or 70/20/10 model. 70% of innovation work should focus on current markets and current capabilities, while 20% should leverage existing markets and existing capabilities that are not actively being pursued. The remaining 10% can focus on creating new markets and developing completely new capabilities.

This book provides a great summary of past perspectives on innovation, carefully framed in the current context for optimal utility. It is an easy read and a great addition to your innovation bookshelf.

– *Nicole Radziwill*

From *Mapping Innovation:*

"If a problem is difficult enough, "If a problem is difficult enough, it needs to borrow from multiple fields of expertise. To break free of an existing paradigm, we need to search beyond the realm in which it was established.

Innovation, more than anything else, is combination, which is why if we are to create something truly important, we need to travel down multiple paths."

2018 ASQ World Conference on Quality & Improvement (WCQI) is Headed to Seattle

Start making plans to attend next year's event! The Innovation Division will be there. Find out more at https://asq.org/conferences/wcqi

Focus Areas:

- Quality 4.0: The Future of Quality Starts Here
- Risk and Change
- Building and Sustaining a Culture of Quality
- Quality Fundamentals in the Digital Age
- Master's Series

A number of presentation abstracts from division members have been submitted for next year's WCQI, in Seattle, Apr 30 – May 2, 2018, promising another informative conference for people interested in innovation. We will be hosting a booth in the Exhibit Hall as well as our annual membership meeting. If you'd like to help with the Innovation Division booth or any other division activities in Seattle, let me know!

Jane Keathley
Innovation Division Chair

Like Podcasts? Get some new ideas on your morning commute:

https://www.inc.com/jeff-pruitt/8-podcasts-to-inspire-innovation.html

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Working with Disruptive Technologies? Write for SQP!

ASQ's flagship journal on software quality has expanded to include quality issues associated with software-intensive systems and related disruptive technologies. If you're working with innovations in the domain of Industry 4.0 and Quality 4.0, we want you to share your ideas and insights! We'll even help you write and edit your article… so new authors are encouraged.

Please see our Call for Papers at:

- https://www.linkedin.com/pulse/sqp-needs-you-share-your-knowledge-software-quality-nicole-radziwill/