



**MANAGING  
AGING PLANTS**  
Conference & Expo  
**USA 2018**

 #MAPUSA2018

## **2018 MANAGING AGING PLANTS USA CONFERENCE & EXHIBITION**

*An event dedicated to operating aging  
infrastructure safely and efficiently*

**CALL FOR PRESENTATIONS**

**ABSTRACTS ARE BEING ACCEPTED UNTIL  
JUNE 15, 2018**

**NOVEMBER 13 & 14, 2018  
ROYAL SONESTA HOUSTON GALLERIA HOTEL  
HOUSTON, TEXAS**

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ROYAL SONESTA HOUSTON GALLERIA HOTEL, HOUSTON, TEXAS, USA

## A Message from the Conference Chairman

*Kenneth Kirkham invites you to participate in 2018 Managing Aging Plants USA Conference*

I am excited to serve as the Chairman for the 2018 Managing Aging Plants USA Conference in Houston, Texas. Planning has already begun and a strong Steering Committee has already been established. Coping with age- or time-related damage mechanisms has been an ongoing theme throughout my career, as well as the careers of most process industry Materials and Corrosion Engineers. I personally worked at two refineries that trace their beginnings back to the early 1900s. It is quite common to find refinery units that operate for more than 40 or even 60 years. Many of these refinery units were constructed for sweet feeds, but over the years sweet feeds ran out and more corrosive feeds were run. As a result, corrosion problems have to be solved and metal loss has to be managed.

I have witnessed firsthand the transformation of the chemical industry from rapid process innovation to incremental process improvements. A transition was made from relatively short plant life cycles (anywhere from 5 to 10 years) to plant lives exceeding 20 years. A paradigm shift was required from rapid construction cycles to safely operating, designing, and constructing as well as maintaining plant assets for the long haul. Process safety and mechanical integrity programs have to be developed and implemented.

Society's expectations for the process industries have drastically changed over the years. Increasing environmental and process safety regulation have led to cleaner and safer plants. Widespread adoption of risk-based tools has supported mechanical integrity improvement efforts. However, much work remains to

be done in order to attain the desired goal of zero incidents. Materials and Corrosion Engineers have an important role to play in the journey to safer operation as process industry companies transition from reactive programs to more proactive ones such as damage mechanism reviews, corrosion control documents, and integrity operating windows.

But infrastructure isn't the only aspect of aging that we are faced with: the workforce has aged right alongside the assets. Several of the Steering Committee members have retired once already, including myself, and the majority of us are senior staff. We have much knowledge and insight to share. Therefore, mentorship, training the younger generation, and retaining the corporate memory will likely be repeated themes throughout the presentations.

Our goal as the Steering Committee for this conference is to provide a robust program that addresses all of these important aging-related themes. Come join us to share and learn!



**Kenneth Kirkham**

**Principal Engineer**  
**E<sup>2</sup>G| The Equity Engineering Group, Inc.**  
**Managing Aging Plants USA Conference**  
**Chairman**

## MANAGING AGING PLANTS USA STEERING COMMITTEE

**Chairman: Kenneth Kirkham, Principal Engineer, E<sup>2</sup>G| The Equity Engineering Group, Inc.**

**Vice-Chairman: Cody Kell, Materials Engineering Specialist, 3M**

**Henk Akkermans**, Professor, Tilburg University; Director, World Class Maintenance

**Jason Bitting**, Advisor—Mechanical Tech Service, Albemarle Corporation

**Eileen Chant**, Engineering Manager, Becht Engineering

**Mel Esmacher**, Consulting Engineer, Metallurgical Services Lab, Suez

**Brian Fitzgerald**, Subject Matter Expert, Stress Engineering Services, Inc.

**Jader Furtado**, International Expert R&D-Physical Metallurgy, Air Liquide R&D

**Roy Grichuk**, Technical Fellow, Fluor Corporation

**Byron Keelin**, Operations Director, Materials Technology Institute

**Damian Kotecki**, Consultant, Damian Kotecki Welding Consultants, Inc.

**Michael Long**, Executive Director, The Vibration Institute (VI)

**David McFarland**, Principal Operations Readiness Maintenance & Integrity Engineer, Shell Global Solutions

**Ed Naylor**, Senior Materials Engineering Associate, AkzoNobel Projects & Engineering

**Jose Ramirez**, Materials & Welding Lead Specialist High Temperature Materials and Engineering Center, Air Products and Chemicals, Inc.

**Kirk Richardson**, Marketing Director, Materials Technology Institute

**Fred Schweighardt**, National Projects Leader, Airgas, an Air Liquide Company

**Michael Stevens**, Principal Scientist, Ashland LLC

**Paul Whitcraft**, Executive Director, Materials Technology Institute (MTI)

**Scott Whitlow**, Materials Engineer Technology Leader, Veolia North America

**Michael Yee**, CEO, RTConsults

**Chuck Young**, Business Development Manager, Tricor Metals

**Qiang Zeng**, Principal Engineer/Materials Expert, China Merchants Offshore Technology Research Center



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## Don't Keep All Your Knowledge and Expertise to Yourself!

*Be a Speaker at the Managing Aging Plants USA Conference*

The Chairman and Steering Committee for the Managing Aging Plants USA Conference encourage presentations to be made at the event on a wide variety of topics related to aging infrastructure, management challenges, and corrosion resistant alloys. (For a full listing of requested topics, please see page 4 of this brochure.)

Experts from all aspects of the processing industries are invited to submit an abstract for a technical presentation or a keynote presentation.

### Present a Technical Presentation

Experts are invited to submit an abstract for a detailed PowerPoint presentation that they would like to present during the conference. Speakers will be allocated approximately 25 minutes (this includes five minutes for questions) for their presentations. Moderators will ensure speakers keep to their allocated time and direct questions to the speaker.

If you would like to present a presentation during the conference, you can submit your 250 to 500 word abstract outlining the topic and scope to **Candace Allison (c.allison@kci-world.com)** by **June 15, 2018**. Please remember to include a main title, your name, title, company, and contact information!



### Deliver a Keynote Presentation

Keynote lectures are generally technical presentations that address overall aging, management, or material issues that affect the processing industries as whole. End-users are particularly encouraged to come forward to give keynote presentations. If you are interested in presenting a keynote lecture, please submit your 250 to 500 word abstract to **Candace Allison (c.allison@kci-world.com)** by **June 15, 2018**. Please remember to include a main title, your name, title, company, and contact information!



### Abstract Submission Guidelines

- 250 to 500 words
- Should have a relevant main title
- Should clearly outline the presentation topic and scope of discussion
- Should be technical-based: please **do not include any commercial or marketing content**
- Please include your name, title, company, and contact details including phone number and email address
- Please email your abstract to **Candace Allison (c.allison@kci-world.com)** by **June 15, 2018**
- Final presentations are due September 12, 2018



## Submit an Abstract on One of the Following Topics!

### Managing Aging Infrastructure

*Counterfeit Materials*  
*Damage Mechanism Reviews*  
*Integrity Operating Windows*  
*Life Extension*  
*Maintenance & Repairs*  
*New Problems in Aging Plants*  
*New Technology for Managing Old Plants & Problems*  
*Piping Inspection & Reliability*  
*Remaining Life Assessment*  
*Risk-Based Inspection (RBI)*  
*Testing Technologies*  
*Upgrading Existing Assets*

### Management Challenges

*Age & Gender Gaps in the Engineering Sector*  
*Asset Integrity*  
*Impact of Regulations*

*Increasing Efficiency*  
*Knowledge Transfer*  
*Managing an Aging Workforce*  
*Reliability & Aging Assets*  
*Training the Next Generation*

### Corrosion Resistant Alloys/Materials

*Availability of Old Alloys & Compatibility with New Alloys*  
*Duplex Stainless Steel*  
*Failures & Solutions*  
*Hydrogen Reformer Alloys and Problems*  
*New Alloys to Solve New Problems*  
*New Alloys to Solve Old Problems*  
*Process Licensors Using Alloys to Solve Corrosion Problems*  
*Reactive Metals*  
*Sulfuric Acid Manufacturers Using Alloys to Extend Life*  
*Worldwide Sourcing*

## Some Helpful Advice for Writing a Successful Abstract

Presenting at a professional conference is an effective way to network and share your experiences and knowledge with like-minded individuals. Here are some tips for writing a successful abstract:

### What is an abstract?

- It is a short written document (250 to 500 words) that is intended to convey what your possible presentation will be about.
- It should engage the reader by clearly and succinctly telling them what the subject of your presentation will be and how that subject will be discussed throughout the presentation.
- The abstract should also include how the subject is relevant to one of the above topics on aging infrastructure, management challenges, or corrosion resistant alloys (CRAs).

### How do I write an abstract?

Here are some questions to help get you started:

- What topic do I want to present on?
- Is this topic one that was specifically requested?
- Is this topic relevant to the conference theme and the potential attendees?
- Can I successfully present this topic within the provided 20 to 25 minute time slot?

### What is the selection process for abstracts?

All submitted abstracts will be reviewed by the Conference Chairman and Steering Committee. Just some of the factors considered during the review process include:

- Was the topic one that was requested?
- Is the topic relevant to the themes of aging infrastructure, management challenges, and/or corrosion resistant alloys (CRAs)?
- Does the abstract clearly state what the scope of the presentation will be?
- Is the abstract technical-based rather than commercial?





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## Don't Let Your Company be the Industry's Best-Kept Secret!

*Exhibit at the Managing Aging Plants USA Exhibition*

Running alongside the conference is the exhibition, which will showcase the latest products and solutions for the processing, manufacturing, machinery, repair, and maintenance sectors.

There will be ample opportunity to meet and network with professionals specializing in procurement, production, maintenance, operations, and plant management. The exhibition will bring together end-users, buyers, and specifiers from a variety of industries including oil & gas, chemical & petrochemical, power generation, etc.



### Exhibition Stand Information:

[ ] Single Booth (10 ft. by 10 ft.)

\$3,700 USD\*

[ ] Double Booth (10 ft. by 20 ft.)

\$7,400 USD\*

*\*Prices include pipes, drapes set-up, and a basic stand furniture package. (Electricity not included.)*



### For More Information, Please Contact:



#### Conference & Media

Candace Allison  
Office: +1-416-361-7030  
Mobile: +1-647-998-7030  
Email: c.allison@kci-world.com



#### Exhibition & Sales

Josh Gillen  
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**BOOK YOUR STAND TODAY!**  
**Booth Registration Form**

Company Name: _____	
Address: _____	Contact Person: _____
City: _____	Phone: _____
State: _____	Email: _____
Zip Code: _____	Fax: _____
Country: _____	Signature / Date: _____



**Exhibition Stand Information:**

Single Booth (10 ft. X 10 ft.) \$3,700 USD\*       Double Booth (10 ft. X 20 ft.) \$7,400 USD\*

*\*Prices include pipes, drapes set-up, and a basic stand furniture package. (Electricity not included.)*

Please submit completed form by fax to +1-416-361-6191  
Or send the scanned form to [j.gillen@kci-world.com](mailto:j.gillen@kci-world.com)  
Or mail to KCI Publishing Corporation  
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