



R&I IN THE DIGITAL AGE

6TH EDITION 13 - 14 March 2019
ART Rotana, Amwaj Islands, Bahrain



PROGRAM

Day 1: Wednesday, 13 March 2019

08:00 – 09:00	Registration and welcome coffee
09:00 – 09:15	Welcome, agenda and technical information Dr. Joachim von Heimbürg , <i>Innovation Architect</i> , jvinnovation LLC
09:15 – 09:45	Opening remarks – Vision and context of the summit Dr. Moayyed Al-Qurtas , <i>Chairman, Research and Innovation Committee</i> , GPCA
	Keynote session: Oil-to-chemicals – Breakthrough in production of petrochemicals
09:45 – 10:45	Research and innovation drive Saudi Aramco's downstream integration Abdulaziz Al-Judaimi , <i>SVP Downstream</i> , Saudi Aramco Panel discussion with presenters Dan McCarthy , <i>EVP</i> , McDermott – Lummus Technology Moderated by: Dr. Moayyed Al-Qurtas , <i>Chairman, Research and Innovation Committee</i> , GPCA
10:45 – 11:15	Networking break
	Session 2: Transforming R&I through technology
11:15 – 11:45	Digitalization of R&I in the petrochemical industry Eckard Eberle , <i>CEO, Process Automation</i> , Siemens AG
11:45 – 12:15	Artificial intelligence innovations for chemicals Yahya Mahmoud , <i>Industry Leader ME, Africa, Turkey</i> , IBM
12:15 – 12:45	Panel discussion and Q&A
12:45 – 14:45	Networking lunch and prayer

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Session 3: Case studies of digitalization in the chemical industry in participative format

14:45 – 16:45	<p>Gamification of R&D in the digital age Dr. Rolf Güller, CEO, Chemspeed</p> <p>Group activity: Gamification of R&D in the digital age Dr. Rolf Güller, CEO, Chemspeed</p> <p>Dr. Amiraa Abo-Hamdan, VP Materials Science, Chemspeed</p> <p>Group activity: Opportunity for improved quality and cost Paige Morse, Industry Marketing Director, Aspen Technology</p> <p>Group activity: Next generation process modelling – utilizing digital twins Rasool Barouni, Product Line Leader, Honeywell</p>
16:45 – 17:00	Panel discussion and Q&A
17:00 – 17:15	<p>Summary of day one and outlook on day two's program Dr. Joachim von Heimbürg, Innovation Architect, jvhinnovation LLC</p>
19:00 – 21:00	<p>Gala dinner and awards Sponsored by: </p>

Day 2: Thursday, 14 March 2019

08:00 – 09:00	Registration and welcome coffee
09:00 – 09:20	<p>Opening remarks Dr. Thorsten Loehl, VP, Innovation, Borouge</p>
Session 4: Performance chemicals	
09:20 – 09:50	Sustainability: Spurring new paradigms in the chemicals industry

*Please note the speakers and topics were confirmed at the time of publishing; however, circumstances beyond the control of the organizers may necessitate substitutions, alterations or cancellations of the speakers and/or topics



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Justus Jansz, MD, Expertise Beyond Borders

09:50 – 10:20 Performance chemicals: Key enablers for value creation and sustainable societal process

Dr. Maurits van Tol, SVP, Innovation and Technology, Borealis

10:20 – 10:50 Managing plastic waste and carbon footprint challenges: R&I for a sustainable industry investment portfolio

10:50 – 11:20 Panel discussion and Q&A

11:20 – 12:00 Networking break

Session 5: Case studies on technology implementation relevant for the Gulf region

12:00 – 12:20 Innovations in catalysts and processes for refining applications

Dr. Ujjal Mukherjee, VP, Technology, McDermott International

12:20 – 12:40 Hydro-dearylation: Upgrading low-value aromatics

Dr. Robert P. Hodgkins, Senior Scientist, Refining and Upgrading Division, Research and Development Center, Saudi Aramco

12:40 – 13:00 Developing local solutions to support the downstream industry

Camilo Delfino, Scientist/Research Engineer, Polymer Technology, Sipchem

13:00 – 13:20 Application of solid oxide fuel cell technology for power generation in KSA

Dr. Feraih Alenazey, Energy Research Institute, KACST

13:20 – 13:40 Borlink – a versatile technology platform enabling efficient energy transfer

Dr. Kalifikh Al Hajeri, VP, Speciality Polymers, Borouge

13:40 – 14:00 PE differentiation using gas phase m-LLDPE and Nexlene products

Munif Al-Munif, Director, Global Tech PE, SABIC

14:00 – 14:20 Panel discussion and Q&A



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14:20 – 14:30

Closing address

Dr. Abdulwahab Al-Sadoun, Secretary General, GPCA

14:30 – 16:00

Networking lunch and prayer

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