



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
09:45 – 10:30	Keynote session 1: Oil-to-chemicals – Breakthrough in production of petrochemicals Abdulaziz Al-Judaimi , <i>SVP Downstream</i> , Saudi Aramco Uwaidh Khalaf Al-Harethi , <i>EVP, Corporate Innovation and Business Development</i> , SABIC
10:30 – 11:00	Panel discussion and Q&A
11:00 – 11:30	Networking break
11:30 – 13:00	Keynote session 2: Digitalization of R&I in the petrochemical industry Focus on process and material flow Artificial intelligence innovations for chemicals Yahya Mahmoud , <i>Industry Leader ME, Africa, Turkey</i> , IBM
13:00 – 13:30	Panel discussion and Q&A
13:30 – 14:45	Networking lunch and prayer Sponsored by: Borouge
14:45 – 16:05	Case study session: Digitalization in the chemical industry <ul style="list-style-type: none">▪ The gamification of R&D in the digital age▪ Process control 2.0 – modelling + simulation▪ Realtime cost control
16:05 – 16:30	Panel discussion and Q&A



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| 16:30 – 16:40 | Summary of day one and outlook on day two's program
Dr. Joachim von Heimbürg , <i>Innovation Architect</i> , jvinnovation LLC |
| 19:00 – 21:00 | Gala dinner
Sponsored by: SABIC |

Day 2: Thursday, 14 March 2019

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| 08:00 – 09:00 | Registration and welcome coffee |
| 09:00 – 09:20 | Keynote session
Dr. Thorsten Loehl , <i>VP, Innovation</i> , Borouge |
| 09:20 – 09:45 | Performance polymers driving value and efficiency
Dr. Maurits van Tol , <i>SVP, Innovation and Technology</i> , Borealis |
| 09:45 – 10:10 | Turning CO ₂ into endless potential |
| 10:10 – 10:30 | Panel discussion and Q&A |
| 10:30 – 11:00 | Networking break |
| 11:00 – 12:45 | Case study session: Technology implementation relevant for the Gulf region
Upgrading complex aromatic bottoms to BTX
Dr. Robert P. Hodgkins , <i>Senior Scientist – Refining and Upgrading Division, Research and Development Center</i> , Saudi Aramco
A new EVA polymer grade
Camilo Delfino , <i>Scientist/Research Engineer – Polymer Technology</i> , Sipchem
Polypropylene differentiation: Ultra-melt-strength PP for foaming solutions |
| 12:45 – 13:15 | Panel discussion and Q&A |
| 13:15 – 13:30 | Closing address |



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	Dr. Abdulwahab Al-Sadoun, Secretary General, GPCA
13:30 – 15:00	Networking lunch and prayer Sponsored by: Borouge