

GPCA Research and Innovation Summit

Program

DAY 0 – Sunday, 11 March 2018

11:00 – 17:00

Registration opens

Sponsored by:



Workshop: Industrial revolution 4.0 (IoT, Big Data etc.) and its impact on R&I

14:00 – 14:30

Growing trends of technology adoption within the chemical industry

Mehtab Gilani, *Associate Partner, IBM GBS (Chemical and Petroleum)*

14:30 – 15:00

Regional case-study: how the adoption of technologies has helped the organisation enhance the efficiency of their research

Dr. Flor Castillo, *Research Fellow, Corporate Research and Development, SABIC*

15:00 – 15:20

Coffee break

15:20 – 16:20

Open discussion - Is the chemical and petrochemical industry able to cope with the 4.0 rate of change?

17:30 – 19:30

Welcome reception

Sponsored by:



DAY 1– Monday, 12 March 2018:

08:00 – 08:30

Registration and welcome networking

Sponsored by:



08:30 – 08:40

Welcome, presentation of the agenda and technical remarks

Dr. Alaa-Eldin M. Adris, *Associate Provost for Research, Innovation and Creativity, The American University in Cairo*

- 08:40 – 09:00** **Welcome and opening address**
Dr. Moayyed Al Qurtas, *Chairman, Research and Innovation Committee, GPCA*
- Session one: The uncertainties of the innovation process: Hurdles to achieving business impact.**
Moderated by: **Dr. Moayyed Al Qurtas**
- 09:00 – 10:00** **Keynote address: R&D and technology management challenges and corporate strategy** (*Lessons from successes and failures of a leading chemical company*)
Dr. David Hounshell, *Roderick Professor, Emeritus, Technology and Social Change, Carnegie Mellon University*
- 10:00 – 10:20** **Discussion and Q&A**
- 10:20 – 10:40** **Uncertainties of the innovation process: A personal experience**
Dr. Volker Trautz, *Independent adviser and board member of Evonik Industries.*
- 10:40 – 11:00** **Science and technology policy as an enabler for a good innovation ecosystem**
Dr. Abdullah Al Mahruki, *CEO , Industrial Innovation Centre, Oman*
- 11:00 – 11:15** **Discussion and Q&A**
- 11:15 – 11:40** **Networking break**
- Session two: Opportunities for future capabilities: Incubating technology and creativity**
- 11:40 – 12:00** **Innovation acceleration**
Dr. Fahad Al- Sherehy, *Vice President, Technology & Innovation, SABIC*
- 12:00 – 12:20** **Corporate venturing: Gaining a strategic competitive advantage in future technologies**
Charles Vaslet, *Partner, Emerald Technology Ventures*
- 12:20 – 12:40** **Investing in a work culture that promotes technological creativity and incubates future capabilities**
Roland Käppner, *EVP, Head of Energy Storage and Hydrogen, thyssenkrupp Uhde Chlorine Engineers GmbH*
- 12:40 – 13:00** **Panel Discussion and Q&A**

13:00 – 14:30

Networking lunch

Sponsored by:



Session three: Innovation impact on the gulf petrochemical and chemical industry- case studies

14:30 – 14:50

Antifouling Additives Technology (AFA™) - An R&D answer to industrial challenges

Dr. Wei Xu, *Research Science Consultant and Leader Chemicals R&D Laboratory, Saudi Aramco*

14:50 – 15:10

Anteo™ – a new product platform based on bimodal terpolymer technology
Dr. Thorsten Loehl, *VP Innovation, Borouge*

15:10 – 15:30

Vehicle light weighting and improved crashworthiness – Plastic and hybrid solutions

Dr. Philippe Dumazet, *Automotive Technical Director, SABIC*

15:30 – 15:50

Toluene methylation for p-X Production. A case study for R&D collaboration

Dr. Elie Fayad, *R&D Manager, Honeywell | UOP*

Prof. Sulaiman Al-Khattaf, *Director for the Center for Research Excellence, KFUPM*

15:50 – 16:20

Panel discussion and Q&A

19:00 – 21:30

Social networking

Sponsored by:



DAY 2 – Tuesday, 13 March 2018

08:00 – 08:50

Registration and welcome networking

Sponsored by:



08:50 – 09:00

Review of day one

Dr. Alaa-Eldin M. Adris, *Associate Provost for*

Research, Innovation and Creativity, The American University in Cairo

09:00 – 09:30

Keynote address: Technology development in the GCC – Challenges and opportunities

Prof. Mohamed Eddaoudi, *Director, Advanced Membranes and Porous Materials Research Center, KAUST*

09:30 – 09:40

Q&A session

Session four: Advances in polymer process technologies and their impact

09:40 – 10:00

Innovation model and key enablers in packaging and specialty plastics

Bob Maughon, *VP, Research and Development, The Dow Chemical Company*

10:00 – 10:20

Borealis: Spearheading innovation in the polyolefins industry

Dr. Alfred Stern, *EVP, Borealis*

10:20 – 10:40

Catalyst Versatility in the MarTECH® process

Dr. Mark L. Hlavinka, *Licensing Manager, Chevron Phillips*

10:40 – 11:00

Panel discussion and Q&A

11:00 – 11:30

Networking break

Session five: Polymer downstream innovation - A growth driver

- 11:30 – 11:50** **The importance of innovation in a mature industry: How antioxidants make new polymer markets possible**
Dr. Niall Marshall, *Technical Manager, Everspring Middle East WLL*
- 11:50 – 12:10** **Creating value through innovation in a dynamic polyolefin market**Herrin Hood,
Global Marketing Director, Plastic Additives Business, Milliken & Company
- 12:10 – 12:30** **Design and development of robust polyolefin stabilization: Value creation and product differentiation**
Dr. Hayder Zahalka, *Research Fellow, Global Technology Manager, Addivant Global Technology*
- 12:30 – 12:45** **Panel discussion and Q&A**
- 12:45 - 13:00** **Closing remarks for R&I Summit**
Dr. Abdulwahab Al Sadoun, *Secretary General, GPCA*
- 13:00 – 14:30** **Networking lunch**
Sponsored by: 
- 14:30 – 17:30** **Leaders of Tomorrow seminar** (Exclusive student's seminar)

*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 topic.