

# GPCA Research and Innovation Summit

## Program

### DAY 0 – Sunday, 11 March 2018

- 11:00 – 17:00**      **Registration opens**  
Sponsored by:  
 Sipchem  
Innovation everywhere
- 13:30 – 14:00**      **Workshop: Industrial revolution 4.0 (IoT, Big Data etc.) and its impact on R&I**  
**An overview of technologies and their impact (AI, Big Data, 3D Printing, etc.)**
- 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**
- 15:00 – 15:20**      **Coffee break**
- 15:20 – 16:20**      **Roundtable discussion - Is the chemical and petrochemical industry able to cope with the 4.0 rate of change?**
- 17:30 – 19:30**      **Welcome reception**

### DAY 1 – Monday, 12 March 2018:

- 08:00 – 08:30**      **Registration and welcome networking**  
Sponsored by:  
 Sipchem  
Innovation everywhere
- 08:30 – 08:40**      **Welcome, presentation of the agenda and technical remarks**
- 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**      **Topic to be suggested**  
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, *Executive Director, Industrial Innovation Centre, Oman*
- 11:00 – 11:15**      **Discussion and Q&A**
- 11:15 – 11:40**      **Networking break**
- Session two: Opportunities for future capabilities: Investing in start-ups, incubating technology and creativity**
- 11:40 – 12:00**      **Keynote address: Journey from idea to spin-off: A KAUST success story**
- 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**  
thyssenkrupp
- 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®)**  
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**  
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 dinner**

## DAY 2 – Tuesday, 13 March 2018

- 08:00 – 09:00**      **Registration and welcome networking**  
Sponsored by:  Sipchem  
science everywhere
- 09:00 – 09:10**      **Review of day one**
- 09:10 – 09:40**      **Keynote address: Technology development in the GCC – Challenges and opportunities**
- 09:40 – 09:55**      **Panel discussion and Q&A**

## Session four: Advances in polymer process technologies and their impact

- 09:55 – 10:15**      **Innovation model and key enablers in packaging and specialty plastics**  
Bob Maughon, *R&D VP for Packaging, Specialty Plastics and Hydrocarbons, Dow Chemicals*

**10:15 – 10:35**      **Borealis: Spearheading innovation in the polyolefins industry**  
Dr. Alfred Stern, *EVP, Borealis*

**10:35 – 10:55**      **Catalyst Versatility in the MarTECH® process**  
Dr. Mark L. Hlavinka, *Licensing Manager, Chevron Phillips*

**10:55 – 11:15**      **Panel discussion and Q&A**

**11:15 – 11:40**      **Networking break**

### **Session five: Polymer downstream innovation - A growth driver**

**11:40 – 12:00**      **The Importance of Innovation in a Mature Industry: How Antioxidants make new Polymer Markets Possible**  
Dr. Niall Marshall, *Technical Manager, Everspring Middle East WLL*

**12:00 – 12:20**      **Advancement in composite material science and the future of innovation in the conventional polymer industry**  
Herrin Hood, *Global Marketing Director, Plastic Additives Business, Milliken & Company*

**12:20 – 12:40**      **Design and development of robust polyolefin stabilization: Value creation and product differentiation**  
Dr. Hayder Zahalka, *Research Fellow, Global Technology Manager, Addivant Global Technology*

**12:40 – 13:00**      **Panel discussion and Q&A**

**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.