

13 & 14 February 2019

BAHRAIN INTERNATIONAL EXHIBITION & CONVENTION CENTRE

**ENHANCING COMPETITIVENESS
THROUGH ENERGY EFFICIENCY,
COST EFFECTIVENESS,
ASSET RELIABILITY
AND HUMAN CAPITAL**

POST EVENT REPORT

Our Sincere Thanks to the Leadership of EMET2019



Under the Patronage of
His Excellency Shaikh Mohamed bin Khalifa Al Khalifa
Minister of Oil, Kingdom of Bahrain

Supported by



A Note of Gratitude from the Conference Chairman



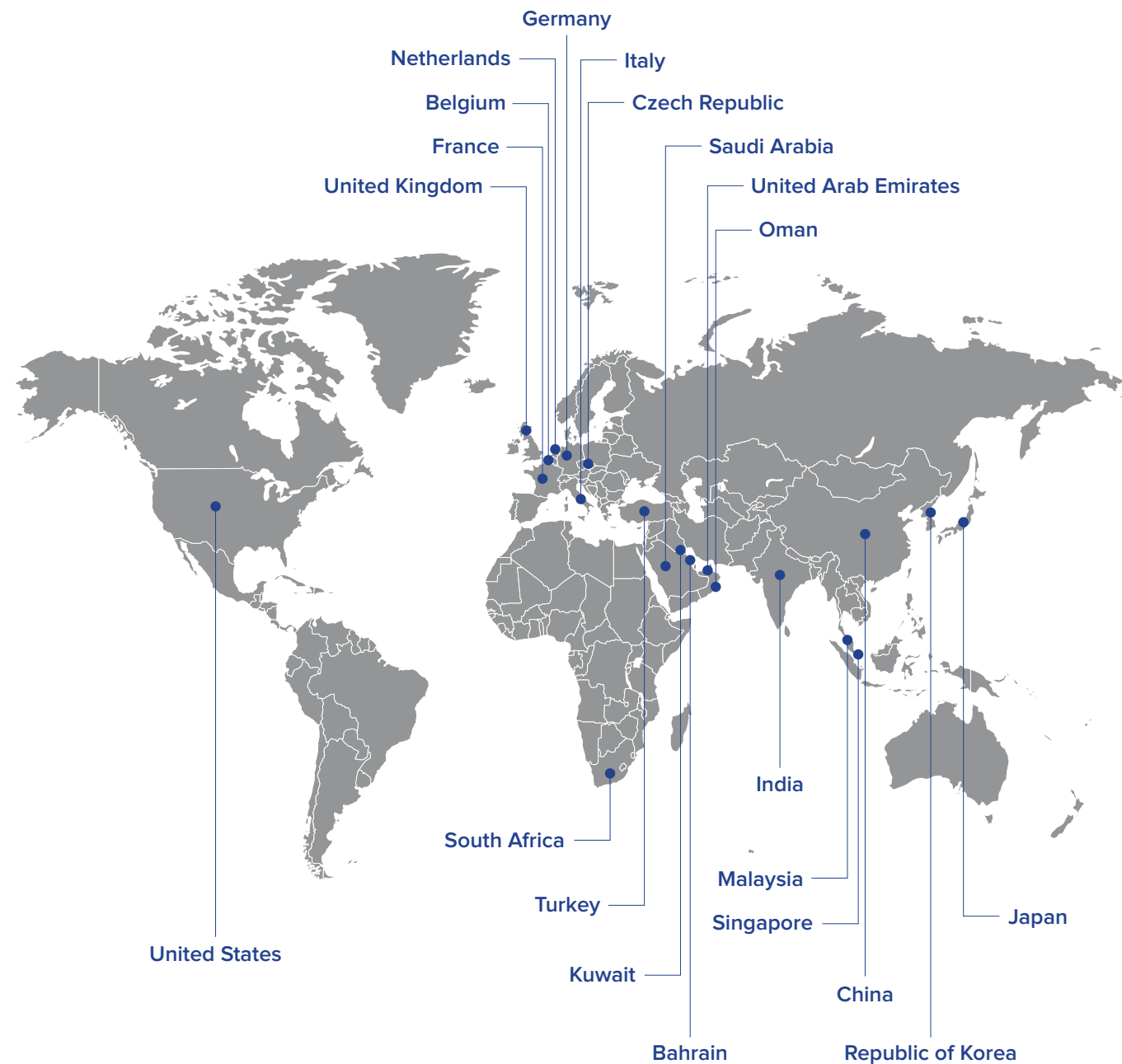
Metab Al-Shammari
General Manager - Olefins
Petrochemicals SBU
SABIC

I would like to thank each one of you for your invaluable contribution to EMET and ME-SPEC 2019. This edition of EMET was about 'Solution Sharing', to help make this a platform for interaction, technical knowledge and problem-solving.

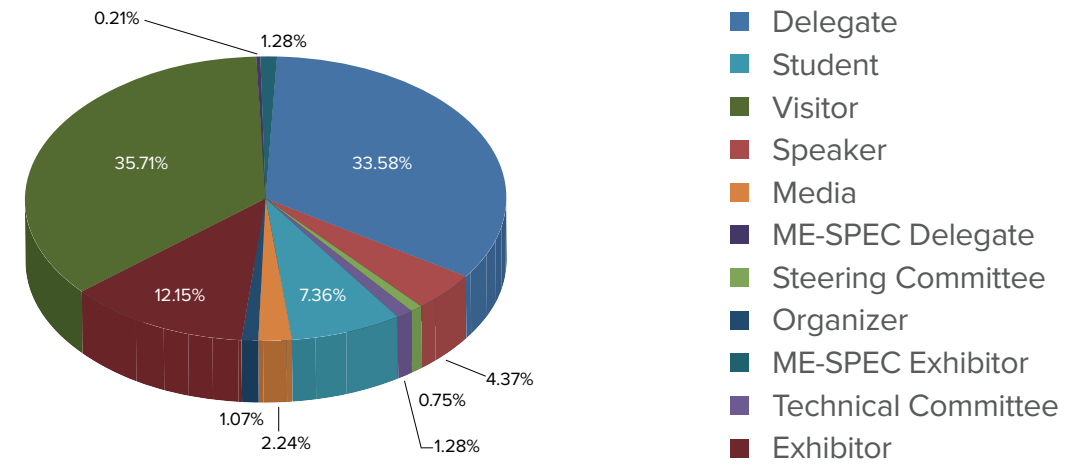
I am happy to report that we received great overall feedback about the successful launch of the event and the collective efforts of all participating companies that helped make the conference a phenomenal success. We trust that your expectations were met and I hope that you have taken the opportunity to discuss and exchange experiences, suggestions and opinions and to make new friends and renew old acquaintances. Looking forward to an equally edition in 2021.

Participating Countries

The event provided a platform for networking across the streams of operators and owners as well as product and service providers. **The exhibition welcomed 938 participants, 344 companies and 21 countries.**



Conference & Exhibition Participants



C-LEVEL EXECUTIVES

- ▶ Board Member
- ▶ President
- ▶ Vice-President
- ▶ Chief Executive Officer
- ▶ Executive Director
- ▶ Managing Director
- ▶ General Manager
- ▶ Chief Engineer
- ▶ Senior Manager

ATTENDEES FROM THE CHEMICAL INDUSTRY

- ▶ Unit Manager
- ▶ Ethylene Engineer
- ▶ Project Engineering Manager
- ▶ Process Engineer
- ▶ Olefins Technical Support Engineer
- ▶ Production Engineer
- ▶ Senior Quality Engineer
- ▶ Technical Advisor
- ▶ Project Engineering Manager
- ▶ Principal Process Engineer – Chemicals
- ▶ Chemical Engineer
- ▶ Senior Process Engineer
- ▶ Process Control Engineer
- ▶ Senior Chemical Buyer
- ▶ Instrumentation Technician
- ▶ Project Manager
- ▶ SHE Supervisor
- ▶ Real Time Optimizer (RTO)
- ▶ Process Controls Engineer
- ▶ Field Engineer
- ▶ Packaging / Distribution
- ▶ Building / Construction and Housing
- ▶ Vehicle Construction / Aerospace
- ▶ Electronics / Electro Engineering
- ▶ Mechanical Engineering
- ▶ Agriculture
- ▶ Medical Technologies / Precision Engineering / Optics
- ▶ Information and Communication Technology / ICT
- ▶ Energy Technology / Photovoltaic
- ▶ Sports / Recreation
- ▶ Chemical Industry
- ▶ Retail Market, Services
- ▶ Universities, Technical Colleges
- ▶ Handicrafts
- ▶ Raw Material Producers
- ▶ Chemical Products Manufacturer
- ▶ Chemical Manufacture / Chemical Processing

Two events, one venue

Chemical experts from all over the world gathered to share knowledge, best practices and new-found solutions.

The 3rd edition of the **Ethylene Middle East Technology Conference & Exhibition** was designed for professionals looking to develop their technical knowledge and optimize their position in the fast-evolving Ethylene Industry by increased operational efficiency, sustainability and excellence.

The 2nd edition of the **Middle East Fine & Specialty Chemicals Conference & Exhibition** provided a regional forum for Petrochemical Suppliers, Converters, Original Equipment Manufacturers (OEMs) and potential investors to showcase, network, and share knowledge & experiences across the whole value chain.



"In KSA, development of KSA specialty chemicals sector is critical to realize Vision 2030 goals. Specialty chemicals industry in KSA has a competitive advantage over international players due to low energy costs and ready availability of raw materials."

Fuad Mosa - Vice President, Local Content & Business Development Unit, SABIC



"By turning waste into value, the GCC Chemical Industry was developed, thereby changing the region from an economic, social and environmental perspective. The Ethylene production capacity in the GCC has grown exponentially, rendering the region a leading global production hub with a global share of 15%."

Dr. Abdulwahab Al Sadoun - Secretary General, GPCA



"It is important that we develop a programmatic approach to close competitive gaps. We must prioritize improvement projects by business case and implement projects based on proven industry best practices."

Steven McCoskey - Vice President, Operations, Solomon Associates

The Conference at a Glance

The third Ethylene Middle East Technology Conference and Exhibition (EMET) and the second Middle East Fine & Specialty Chemicals Conference & Exhibition (ME-SPEC) 2019 was held under the patronage of His Excellency Shaikh Mohamed bin Khalifa Al Khalifa, Minister of Oil - Kingdom of Bahrain on the 13th and 14th of February at the Bahrain International Exhibition & Convention Centre. The conference was chaired by Metab Al-Shammari, General Manager, Olefins Petrochemicals SBU - SABIC.

The conference brought together experts from all over the world to share practical experiences, innovative ideas and strategies for reducing costs, maximizing return and creating value on issues related to planning, design, operation and maintenance.

ME-SPEC 2019 provided the Middle East a platform to support regional transformation to further the downstream industry. The speciality chemical market is complex, and each of their business segment has their own individualized product, market and competitive profiles. This has given rise to a wide range of business needs and opportunities, consequently there are a large number of speciality chemical companies around the world. Many of these companies are SME's with their own niche products and sometimes technology focus. The event was designed to provide knowledge, opportunities and connections to all stakeholders to accelerate the growth of the new industry.



Thank you to the Leadership of EMET 2019 and ME-SPEC 2019

Conference Chairman



Metab Al-Shammari
General Manager - Olefins
Petrochemicals SBU
SABIC

Steering Committee Members



Abdel Hadi Al Suhaimi
Executive President
S-Chem



Aman A. Ahmad
Vice President
Business Development
- EMEA
KBR Technology



Fuad Mosa
Vice President
Local Content & Business
Development Unit
SABIC



Jim Middleton
Group Vice President
Ethylene Product Line
and Technologies
TechnipFMC



Jim Brigman
Managing Director
Ingenero Inc



June Wispelwey
Executive Director
**AIChE - American Institute
of Chemical Engineers**



Suleyman M Ozmen
Sr. Consultant
Independent

Technical Committee Members



Dr. Abdul Al-Shamrani
Director
Down Stream Development
PMO/Advisory, LCBDU
SABIC



**Abdulaziz Ramadhan
Al-Ghamdi**
Superintendent
Utilities & Energy
TASNEE



Dr. Anissa Sedjerari
Research Center Liaison
Officer, Innovation & Economic
Development Department
KAUST Catalysis Center



Dr. Basim Abussaud
Assistant Professor
**King Fahd University of
Petroleum & Minerals
(KFUPM)**



Enad Al-Anazi
Process Engineering
Manager
S-Chem



Karam Rajab
Sr. Analyst
Downstream & Tech Loc
SABIC



Kristine Chin
Senior Director
Conferences & Education
**AIChE - American Institute
of Chemical Engineers**



Mohammed Benchechou
Director Strategic Accounts -
Middle East & India
**Shell - Criterion Catalyst
Co. Ltd**



Murray Hall
Vice President, Marketing -
Downstream
**NALCO Champion - NALCO
Saudi Company Limited**



Dr. Pratap Nair
President & CEO
Ingenero Inc



Rik Klavers
Vice President
Petrochemicals
KBR Technology



Saifuddin Sheikh
Director Business
Consulting Operations
AspenTech



Salah Al-Ansari
Sharq President
SABIC - SHARQ



Salim Nasser Al-Duhami
Chief Engineer
Olefin Process
SABIC



Yvon Simon
Ethylene Technology
Manager
TechnipFMC

The Official Opening Ceremonies



The opening day had the Welcome Address delivered by the Conference Chairman Metab Al-Shammari, General Manager, Olefins Petrochemicals SBU- SABIC. The Chairman emphasised how 'Solution Sharing' would make this a platform for interaction, technical knowledge and problem-solving.

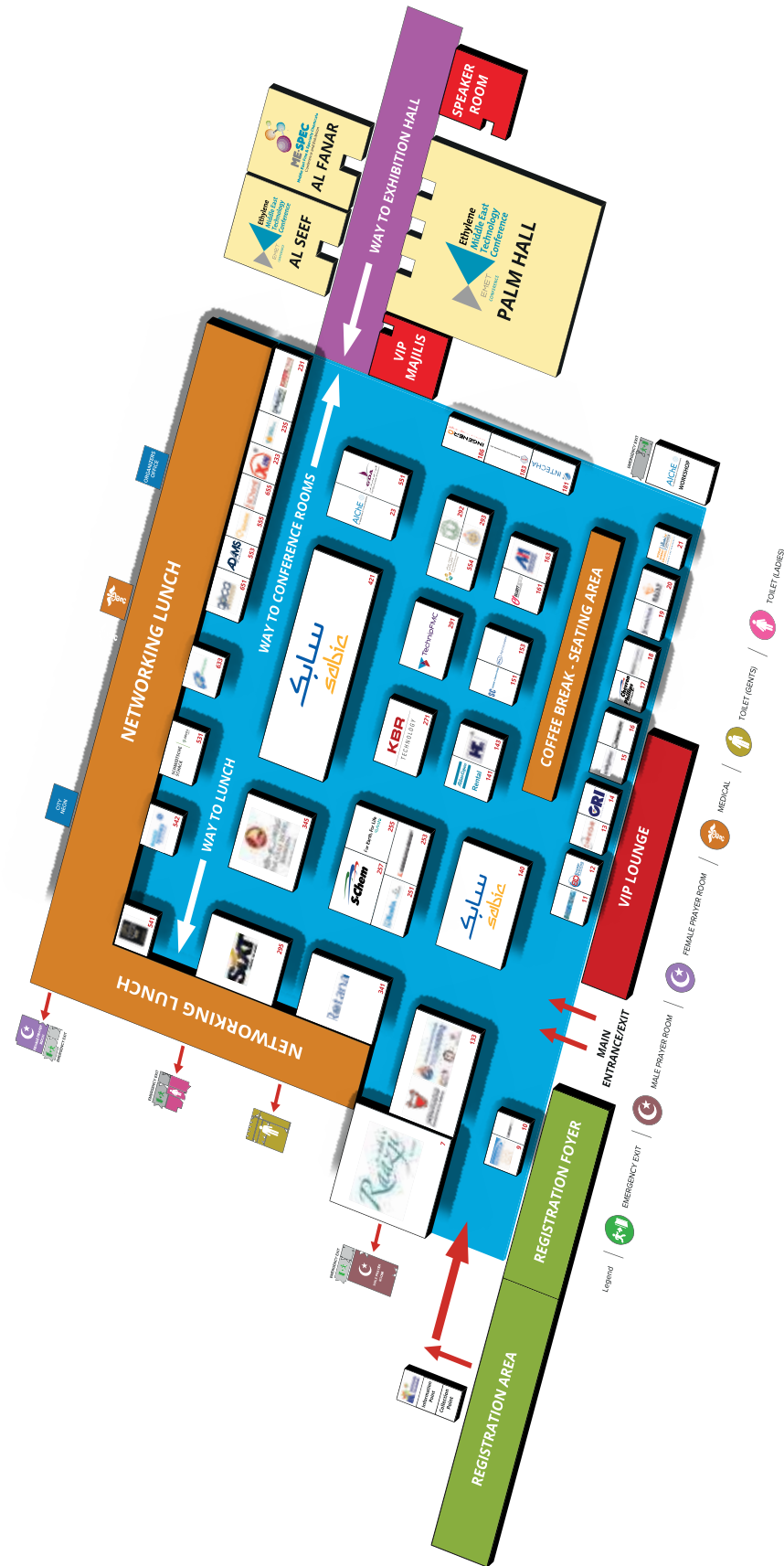


The Minister used the occasion to convey his gratitude and appreciation to all the organizers and participants that helped deliver an unmissable, world-class networking event for delegates, visitors and investors. This exciting conference was organized by Middle East Energy Events with the cooperation and support of National Oil & Gas Authority, ChemTECH, Bahrain Tourism & Exhibition Authority, University of Bahrain and King Fahd University of Petroleum and Minerals.



The Official Conference Opening was marked by the ribbon cutting ceremony with Our Patron, His Excellency Shaikh Mohamed bin Khalifa Al Khalifa, Minister of Oil, Kingdom of Bahrain as the Guest of Honor.

Venue Floorplan



Thank you to all our Exhibitors

Stand No.	Display Name
21	24 th WORLD ENERGY CONGRESS
553	ADAMS ARMATUREN
23	AMERICAN INSTITUTE OF CHEMICAL ENGINEERS (AIChE)
235	ANHUI TIANRUN CHEMICALS
15	ARKEMA FRANCE
10	ASHCROFT AL RUSHAID INSTRUMENT
141	ATLAS COPCO RENTAL MIDDLE EAST
655	BAHRAIN CHEMICAL ENGINEERS (BChemE)
133	BAHRAIN PETROLEUM COMPANY (BAPCO)
542	BAKER HUGHES, A GE COMPANY
133	BAHRAIN NATIONAL GAS COMPANY (BANAGAS)
12	BD ENERGY SYSTEMS
143	BEIJING ZHONGHANGHUA SAFETY VALVE SALES
11	BORSIG PROCESS HEAT EXCHANGER
17	CHEVRON PHILLIPS CHEMICALS COMPANY
231	CHINA NATIONAL CHEMICAL INFORMATION CENTER (CNIC)
13	CIRCOR
14	CRI CATALYST COMPANY
20	DAILY THERMETRICS
9	DRESSER AL RUSHAID VALVE & INSTRUMENT
161	ELLIOTT GROUP
541	GIORGIO
551	GULF DOWNSTREAM ASSOCIATION (GDA)
651	GULF PETROCHEMICALS AND CHEMICALS ASSOCIATION (GPCA)
186	INGENERO
181	INTECHA DEUTSCHLAND
271	KBR TECHNOLOGY
183	KINETICS PROCESS IMPROVEMENTS
554	KING ABDULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY (KAUST)
292	KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS (KFUPM)
255	KUBOTA SAUDI ARABIA COMPANY
251	KURITA AQUACHEMIE
163	MANOIR INDUSTRIES
Travel Services	MATHIAS TOURS AND TRAVELS
253	MITSUBISHI HEAVY INDUSTRIES COMPRESSOR CORPORATION (MCOSA)
18	NALCO CHAMPION
133	NATIONAL OIL AND GAS AUTHORITY (NOGA)
133	NOGAHOLDING
153	PALL CORPORATION
16	PARALLOY LIMITED
19	PENTAIR FILTRATION SOLUTIONS
7	RAAZJI
341	ROTANA HOTELS BAHRAIN
257	S-CHEM
555	SAUDI ARABIAN SECTION OF AMERICAN INSTITUTE OF CHEMICAL ENGINEERS (SAS-AIChE) & YOUNG PROFESSIONAL COMMITTEE (SAS-YPC)
421 & 140	SAUDI BASIC INDUSTRIES CORPORATION (SABIC)
151	SCHMIDT + CLEMENS GROUP
531	SCHMIDTSCHESCHACK ARVOS
295	SIXT RENT A CAR
633	SURFACTANTS DETERGENT'S COMPANY
133	TATWEER PETROLEUM
291	TECHNIP FMC
345	THE GULF HOTEL BAHRAIN CONVENTION & SPA
293	UNIVERSITY OF BAHRAIN (UOB)
233	ZHEJIANG XINYONG BIOCHEMICAL

Technical Sessions

The show featured global presentations on Enhancing Asset Performance (People, Infrastructure and Investments), Managing Changing Feedstock (Mixed Feed, Alternative Feed, Sustainable Feed), Advantage of Digitalization and Big Data, Relevancy with Integration and Industry Consolidation.

Plenaries & Keynote Speakers



His Excellency Shaikh Mohamed bin Khalifa Al Khalifa
Minister of Oil,
Kingdom of Bahrain



Dr. Abdulwahab Al Sadoun
Secretary General
GPCA



Frederik Hoornaert
Director
Olefins & Aromatics
SABIC



Dr. Khalid Al-Jarba
Director
Process Technology
and Licensing
SABIC



Metab Al-Shammari
General Manager - Olefins
Petrochemicals SBU
SABIC



Steven McCoskey
Vice President
Operations
Solomon Associates

Panelists & Moderators



Dr. Anissa Sedjerari
Research Center Liaison
Officer, Innovation & Economic
Development Department
KAUST Catalysis Center



Ahmad A. AlAbedi
Petrochemical, Oil & Gas
Sector, Managing Director
SAGIA - Saudi Arabian
General Investment
Authority



Aman A. Ahmad
Vice President
Business Development
- EMEA
KBR Technology



Dr. Basim Abussaud
Assistant Professor
King Fahd University of
Petroleum & Minerals
(KFUPM)



Brian Muldoon
Vice President
Petrochemicals
MCDERMOTT



Fuad Mosa
Vice President
Local Content & Business
Development Unit
SABIC



Dr. Hazza Baker Al Qahtani
Chairman
Amad Investment Holding



Jim Brigman
Managing Director
Ingenero Inc



Karam Rajab
Sr. Analyst
Downstream & Tech Loc
SABIC



Khalil Ibn Salamah
Managing Director
Global Company for
Downstream Industries (GDI)



Gurminder Singh
Director
Technology Licensing
- MENA
Shell



Majid Al Ghanmi
President, Chemical Operations
SABIC - YANPET



Metab Al-Shammari
General Manager - Olefins
Petrochemicals SBU
SABIC



Metab Al Shahrani
Director, Polymers & Hydrocarbon
Operations Division
SABIC - KEMYA



Mohammed Benchekhou
Director Strategic Accounts -
Middle East & India
Shell - Criterion Catalyst
Co. Ltd



Motaz Abdulaal
Director Project Management
Dussur



Dr. Pratap Nair
President & CEO
Ingenero Inc



Salim Nasser Al-Duhami
Chief Engineer
Olefin Process
SABIC



Suleyman M Ozmen
Sr. Consultant
Independent



Yvon Simon
Ethylene Technology
Manager
TechnipFMC

Technical Speakers



Akram Essa
Mechanical Engineer
S-Chem



Alan Mahoney
Technical and
Operations Director
Process Plant
Computing Limited



Aurelio Munoz
Corporate Sales Director
Schmidt + Clemens Group



Aamir Ahmed Butt
Executive Account Manager
OSIsoft Middle East
Technologies S.P.C



Berthold Otzisk
Senior Product Manager
Process
Kurita Europe



Brian Muldoon
Vice President
Petrochemicals
MCDERMOTT



Bruno Buelow
Product Manager
ARVOS Group GmbH



Deepak Pal
Scientist
SABIC



Dhafer Mohammed Alwadie
Engineer, Production KOP
SABIC - KEMYA



Dharmendra Narang
Chief Engineer
TechnipFMC



Faisal Fahad Arab
Scientist
SABIC - SAUDI KAYAN



Jan Van Bauwel
Regional Account Lead
Corporate Accounts
NALCO Champion - NALCO
Saudi Company Limited



Jeff Caton
Director - Olefins Technology
KBR Technology



Jim Brigman
Managing Director
Ingenero Inc



Dr. John Olver
CEO
Emisshield



Khaled Adbellatif
Technology Advisor
Daily Thermetics



Luk Verhulst
Senior Manager - EMEA SA&S
Technical Sales and Services
Honeywell UOP



Mahesh Kumar
Lead Scientist Olefins
& Aromatics
SABIC



Medhat Zaghloul
Regional Technology Manager
Compressor Controls
Corporation



Nihar Gulwadi
Project Development Manager
Ingenero Inc



Marco van Goethem
Manager Product Development
TechnipFMC



Mohammed Abugarbieh
Country Manager
Zeeco Middle East Ltd



Nileshkumar Patel
Senior Process Engineer
Sadara Chemical Company



Radhi Ali Aqeeli Al
Process Engineer
SABIC - KEMYA



Ram Venkatadri
Global Marketing Manager
Fuels And Chemicals
Pall Corporation



Sanjeev Mallick
Associate Director, Refining
KBR Technology



Shane Harvey
Manager Application
Engineering
Elliott Group



Subrato Saha
Director
Aquachemie



Susan Cooper-Lenes
Sales Engineer
TechnipFMC



Vijaykumar Srinivasan
Sr Process Engineer
SABIC



Tolu Sodeinde
Senior Digital Consultant
for Middle East, Africa and
Asia Pacific
Aveva



Xavier Liège
Technology Team Manager
Axens

Highlights from EMET and ME-SPEC 2019



Dr. Khalid Abdullah Al Jarba - Director, Process Technology and Licensing, SABIC delivered a keynote address about “Balancing Volatile Feedstock Demand with Maximizing Value from Oil”. He spoke about how disruptions in oil demand will force oil producers to find alternative uses as chemicals and the five reasons why a Petrochemical/Oil company pursues the OTC (OIL-TO-CHEMICALS) project.

Keynote Speaker, Dr. Abdulwahab Al Sadoun Secretary General, GPCA focussed on “Turning Waste into Value – The GCC Journey towards the foreground”. He highlighted that GCC is a global hub for the production of ethylene and its ongoing expansion drive will further enhance its global position. He stated that diversification of feedstock will prompt more diversified products portfolio in the GCC chemical industry.



“Middle East Olefins: Competitiveness Under Pressure”, Steven McCoskey- Vice President, Operations, Solomon Associates. He shared his observations from the 2017 Olefin Study and concluded with the Strategy for Achieving Sustainable Competitiveness.

“Ethylene Production in Kingdom of Saudi-Arabia: Current Status, Outlook and Courses of Action”- Frederik Hoornaert - Director, Olefins & Aromatics, SABIC. He spoke about how the downsides of plastics are starting to or already are overshadowing its benefits. He also discussed Decarbonization, Digital Transformation and what it brings.



Strategic Sessions



“Future of Specialty Chemicals in the region”, Fuad Mosa -Vice President - Local Content & Business Development Unit, SABIC. He spoke about Vision 2030 and how national level programs are driving the specialty chemical industrial growth in KSA. He also, shed light on how SABIC is supporting KSA vision.

Sultan Mofti-Deputy Governor, SAGIA - Saudi Arabian General Investment Authority focused on KSA’s commitment to transform its economy. He mentioned that Vision 2030 will be realized through the implementation of 13 nation-wide programs ranging from the “Financial Sector Development Program to the Quality of Life Program”.



Khalil Ibn Salamah - Managing Director, Global Company for Downstream Industries (GDI) concluded the session with a talk on the meaning of Specialty Downstream and how to approach it. He discussed the various components that act as pillars of success in Specialty Downstream.

Panel Discussions



A Panel discussion on the Opportunities & Targeted Applications for specialty chemicals in Light of Regional Visions & Governmental Support. This session was moderated by Motaz Abdulaal - Director Project Management, Dussur. The illustrious speaker panel comprised of Ahmad A. AlAbedi - Petrochemicals, Oil & Gas Sector Managing Director - SAGIA; Khalil Ibn Salamah - Managing Director, Global Company for Downstream Industries (GDI); Dr. Hazza Baker Al Qahtani -Chairman, Amad Investment Holding; Fuad Mosa Vice President - Local Content & Business Development Unit, SABIC.



An exchange of ideas on the Technological Advancements in the Petrochemical Industry. Moderated by Suleyman M Ozmen - Sr. Consultant, Independent. Aman A. Ahmad -Vice President, Business Development - EMEA, KBR; Gurminder Singh – Director Technology Licensing - MENA, Shell Global Solutions International; Jim Brigman - Managing Director, Ingenero Inc; Jim Middleton - Group Vice President, Ethylene Product Line and Technologies, Technip ; Metab Al- Shammari - General Manager - Olefins, Petrochemicals SBU, SABIC all shared their expertise.

Master Class on Process Safety



The workshop organized by AIChE (American Institute for Chemical Engineers) highlighted various aspects of process safety at the ethylene plants and aimed to bridge gaps in the knowledge of operators and engineers. Led by Jack MacCavit, it offered an introduction to CCPS' Risk Based Process Safety (RBPS) approach, including the four pillars and twenty elements that define the structure for the RBPS approach.

Special Session with the Students



Learning in New Spaces: Motaz Abdulaal - Director Project Management, Dussur along with Metab Al-Shammari, General Manager, Olefins, Petrochemicals SBU- SABIC hosted a session exclusively for the students from the University of Bahrain and King Fahd University of Petroleum and Minerals to help them understand the Petrochemical Industry and the truth behind the tagline, "Petrochemicals make things happen".

ME-SPEC Program

Day 1 - Wednesday, 13 Feb 2019

- 07:00 **Registration**
- 08:30 - 08:45 **Welcome Message**
 📍 **Palm Hall**
Metab Al-Shammari, General Manager - Olefins, Petrochemicals SBU, SABIC
- 08:45 - 09:00 **Official Conference Opening**
 📍 **Palm Hall**
His Excellency Shaikh Mohamed bin Khalifa Al Khalifa, Minister of Oil, Kingdom of Bahrain
- 09:00 - 09:45 **Keynote Session**
 📍 **Palm Hall**
Balancing Volatile Feedstock Demand with Maximizing Value from Oil
 Speaker:
Dr. Khalid Abdullah Al Jarba, Director - Process Technology & Licensing, SABIC
Turning Waste into Value – The GCC Journey towards the foreground
 Speaker:
Dr. Abdulwahab Al Sadoun, Secretary General, GPCA
- 09:45 - 10:30 **Exhibition Inauguration**
His Excellency Shaikh Mohamed bin Khalifa Al Khalifa, Minister of Oil, Kingdom of Bahrain
- 10:30 - 12:00 **Strategic Sessions**
 📍 **Al Fanar**
Future of Specialty Chemicals in the Region
Fuad Mosa, Vice President - Local Content & Business Development Unit, SABIC
Why Saudi
Sultan Mofti, Deputy Governor, SAGIA - Saudi Arabian General Investment Authority
Going Downstream
Khalil Ibn Salamah, Managing Director, Global Company for Downstream Industries (GDI)
- 12:00 - 13:30 **Lunch & Prayers**
- 13:30 - 14:30 **Panel Discussion - Opportunities & Targeted Applications for Specialty Chemicals in Light of Regional Visions & Governmental Support**
 📍 **Palm Hall**
 Moderator:
Motaz Abdulaal, Director, Project Management, Dussur
 Panelists:
Ahmad A. AlAbedi, Petrochemicals, Oil & Gas Sector Managing Director, SAGIA - Saudi Arabian General Investment Authority
Khalil Ibn Salamah, Managing Director, Global Company for Downstream Industries (GDI)
Dr. Hazza Baker Al Qahtani, Chairman, Amad Investment Holding
Fuad Mosa, Vice President - Local Content & Business Development Unit, SABIC
- 16:30 **Raffle Draw**
 📍 **Palm Hall**
- 19:30 - 21:00 **Gala Dinner**
 📍 **Gulf Hotel**

EMET Program

Day 1 - Wednesday, 13 Feb 2019

- 07:00 **Registration**
- 08:30 - 08:45 **Welcome Message**
 📍 **Palm Hall**
 Speaker:
Metab Al-Shammari, General Manager - Olefins, Petrochemicals SBU, SABIC
- 08:45 - 09:00 **Official Conference Opening**
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- 09:00 - 09:45 **Keynote Session**
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Dr. Khalid Abdullah Al Jarba, Director, Process Technology & Licensing, SABIC
Turning Waste into Value – The GCC Journey towards the foreground
 Speaker:
Dr. Abdulwahab Al Sadoun, Secretary General, GPCA
- 09:45 - 10:30 **Exhibition Inauguration & VIP Walk**
His Excellency Shaikh Mohamed bin Khalifa Al Khalifa, Minister of Oil, Kingdom of Bahrain
- 10:30 - 12:00 **Technical Sessions - 2 Streams**

Relevancy with Integration and Industry Consolidation 📍 Palm Hall	Enhancing Asset Performance 📍 Al Seef
Moderator: Dr. Basim Abussaud , Assistant Professor, King Fahd University of Petroleum & Minerals (KFUPM)	Moderator: Dr. Pratap Nair , President & CEO, Ingenero Inc
<i>An inter-olefins plant optimization using machine learning and linear programming techniques</i> Deepak Pal , Scientist, SABIC	<i>Improvement in Asset Utilization and Productivity in the Filtration and Separation of Quench Water</i> Ram Venkatadri , Global Marketing Manager, Fuels and Chemicals, Pall Corporation
<i>Higher Margin with Integrated Refinery/Petrochemical Scheme</i> Sanjeev Mallick , Associate Director, Refining, KBR Technology	<i>Effective Fouling Protection of Strippers, Compressors, Caustic Towers and Recovery Section for Olefins Plant</i> Subrato Saha , Director, Aquachemie
<i>TechnipFMC's SFT® Radiant Coil Technology</i> Marco Van Goethem , Manager, Product Development, TechnipFMC	<i>Furnaces Excess Oxygen Optimization</i> Berthold Otzisk , Senior Product Manager Process, Kurita Europe
<i>Exploring New Ultra-Low Steam Consumption, High Capacity Smokeless Flaring</i> Mohammed Abugharbieh , Country Manager, Zeeco Middle East Ltd	<i>Process Engineer, SABIC - KEMVA</i> Radhi Ali Aqeeli Al , Process Engineer, SABIC - KEMVA
	<i>Furnace Tube Life Optimization</i> Akram Essa , Mechanical Engineer, S-Chem

EMET Program

Day 1 - Wednesday, 13 Feb 2019 (contd.)

- 12:00 - 13:30 **Lunch & Prayers**
- 13:30 - 14:30 **Panel Discussion - Opportunities & Targeted Applications for Specialty Chemicals in Light of Regional Visions & Governmental Support**
 📍 **Palm Hall**
 Moderator:
Motaz Abdulaal, Director, Project Management, Dussur
 Panelists:
Ahmad A. AlAbedi, Petrochemicals, Oil & Gas Sector Managing Director, SAGIA - Saudi Arabian General Investment Authority
Khalil Ibn Salamah, Managing Director, Global Company for Downstream Industries (GDI)
Dr. Hazza Baker Al Qahtani, Chairman, Amad Investment Holding
Fuad Mosa, Vice President - Local Content & Business Development Unit, SABIC
- 14:30 - 15:00 **Coffee Break**
- 15:00 - 16:30 **Technical Session - 2 Streams**

Advantage of Digitalization and Big Data 📍 Palm Hall	Managing Changing Feedstock 📍 Al Seef
Moderator: Mohammed Benchekchou , Director Strategic Accounts - Middle East & India, Shell - Criterion Catalyst Co Ltd <hr/> <i>Listen to your Heat Exchanger</i> Bruno Buelow , Product Manager, ARVOS Group GmbH <hr/> <i>Operational Data Infrastructure as a foundation for Digital Transformation</i> Aamir Ahmed Butt , Executive Account Manager, OSIssoft Middle East Technologies S.P.C <hr/> <i>Auto Analytics and Tracking of Ethylene Plants for Plant Performance Improvement</i> Jim Brigman , Managing Director, Ingenero Inc	Moderator: Dr. Anissa Sedjerari , Research Center Liaison Officer, Innovation & Economic Development Department, KAUST Catalysis Center Majid Al Ghanmi , Director, Chemical Operations, SABIC-YANPET <hr/> <i>High Value Niche Products: Butene and Hexene Alpha Olefins</i> Xavier Liège , Technology Team Manager, Axens <hr/> <i>Sustaining Olefins Production through Optimization and Effective Feed Management</i> Nihar Gulwadi , Project Development Manager, Ingenero Inc <hr/> <i>Maximizing Furnace Capacity Utilization during Feedstock Curtailment</i> Faisal Fahad Arab , Scientist, SABIC - SAUDI KAYAN <hr/> <i>Profit Pivot Points in Crude to Chemicals Integrated Complexes</i> Brian Muldoon , Vice President, Petrochemicals - MCDERMOTT

- 16:30 **Raffle Draw**
 📍 **Palm Hall**
- 19:30 - 21:00 **Gala Dinner**
 📍 **Gulf Hotel**

EMET Program

Day 2 - Thursday, 14 Feb 2019

- 07:30 **Registration**
- 08:30 - 10:00 **Keynote Session**
 📍 **Palm Hall**
Middle East Olefins: Competitiveness Under Pressure
 Speaker:
Steven McCoskey, Vice President, Operations, Solomon Associates
Ethylene Production in Kingdom of Saudi Arabia: Current Status, Outlook and Courses of Action
 Speaker:
Frederik Hoornaert, Director, Olefins & Aromatics, SABIC
- 10:00 - 10:30 **Coffee Break**
- 10:30 - 12:00 **Technical Session - 2 Streams**

Advantage of Digitalization and Big Data 📍 Palm Hall	Enhancing Asset Performance 📍 Al Seef
Moderator: Karam Rajab , Sr. Analyst, Downstream & Tech Loc, SABIC <hr/> <i>Mitigation of Dilution Steam Corrosion & Fouling Control with 3dfDSS</i> Jan Van Bauwel , Regional Account Lead Corporate Accounts, NALCO Champion - NALCO Saudi Company Limited <hr/> <i>Simulation of Ethylene Plant with SPYRO® Software</i> Susan Cooper-Lenes , Sales Engineer, TechnipFMC <hr/> <i>Turning Big Data into Feed-to-Product Operating Envelopes for Business Efficiency</i> Alan Mahoney , Technical and Operations Director, Process Plant Computing Limited <hr/> <i>The Reality of Digital Twins</i> Tolu Sodeinde , Senior Digital Consultant for Middle East, Africa and Asia Pacific, Aveva	Moderators: Jim Brigman , Managing Director, Ingenero Inc Metab Al Shahrani , Director, Polymers & Hydrocarbon Operations Division, SABIC-KEMYA <hr/> <i>Unexpected Two-Phase Flow Stalling a Demethenizer Intercondenser</i> Nileshkumar Patel , Senior Process Engineer, Sadara Chemical Company <hr/> <i>Temperature Measurements repeatability for Ethylene Crackers Optimization</i> Khaled Adbellatif , Technology Advisor, Daily Thermetrics <hr/> <i>The Impact on Process Tube Coking and Heat Transfer by High Emissivity Coating Systems</i> Dr. John Olver , CEO, Emissshield <hr/> <i>S+C Optimised Profile for Ethylene Furnace Tubes</i> Aurelio Munoz , Corporate Sales Director, Schmidt+Clemens Group

- 12:00 - 13:30 **Lunch & Prayers**
- 13:30 - 14:30 **Panel Discussion - Technology Advancements in the Petrochemical Industry**
 📍 **Palm Hall**
 Moderator:
Suleyman M Ozmen, Sr. Consultant, Independent
 Panelists:
Aman A. Ahmad, Vice President, Business Development - EMEA, KBR Technology
Gurminder Singh, Director, Technology Licensing - MENA, Shell Global Solutions International
Jim Brigman, Managing Director, Ingenero Inc
Brian Muldoon, Vice President, Petrochemicals - MCDERMOTT
Metab Al-Shammari, General Manager - Olefins, Petrochemicals SBU, SABIC

EMET Program

Day 2 - Thursday, 14 Feb 2019 (contd.)

14:30 - 15:00
15:00 - 16:30

Coffee Break
Technical Session - 2 Streams

Enhancing Asset Performance 📍 Palm Hall	Managing Changing Feedstock 📍 Al Seef
<p>Moderator: Yvon Simon, Ethylene Technology Manager, TechnipFMC</p> <p><i>Ethylene Plant Yield Improvement Through Integrated Advanced Turbomachinery Controls</i> Medhat Zaghloul, Regional Technology Manager, Compressor Controls Corporation</p> <p><i>Comprehensive Assessment of Steam Crackers for Energy Intensity Improvement</i> Mahesh Kumar, Lead Scientist Olefins & Aromatics, SABIC</p> <p><i>UOP Adsorbents Solutions to Mitigate Online Moisture Analyzers Problems and Help Protect Your Plant Reliability</i> Luk Verhulst, Senior Manager, EMEA SA&S Technical Sales and Services, Honeywell UOP</p> <p><i>Reducing Costs with the Application of High Flow Coefficient Impellers in the Main Compressors of Ethylene Plants</i> Shane Harvey, Manager, Application Engineering, Elliott Group</p>	<p>Moderator: Salim Nasser Al-Duhami, Chief Engineer, Olefin Process; Process and Energy Management, SABIC</p> <p><i>Design Philosophy of a Mixed Feed Cracker</i> Dharmendra Narang, Chief Engineer, TechnipFMC</p> <p><i>Dense Loading of Molecular Sieve in Charge Gas Drier</i> Vijaykumar Srinivasan, Sr. Process Engineer, SABIC</p> <p><i>KBR Olefins Technologies Provide Key Flexibility with Optimum Design to Ensure Profitability</i> Jeff Caton, Director, Olefins Technology, KBR Technology</p> <p><i>Propane Furnace Dynamic Conversion Control</i> Dhafer Mohammed Alwadie, Engineer, Production KOP SABIC - KEMYA</p>

16:30 - 17:00

Closing Ceremony - Key Takeaways from EMET 2019

📍 Palm Hall

17:00

Raffle Draw

📍 Palm Hall

Engaging Our Audience

Raffle draw – Infusing fun into the conference



The gala dinner sponsored by SABIC at The Gulf Hotel presenting the audience with a chance to engage and the organizers an opportunity to thank the clients for their support.



Conference Gallery





Testimonials



"This was an excellent technical conference for the ethylene industries and it was held in a very pleasant and appropriate location. The conference organization was very well done in all aspects. The subjects were on point for the industry's needs".

Dr. John Olver - CEO, Emissshield



"It was a pleasure. It was a good conference, especially for Networking and capturing ideas. EMET team did a great in overall logistics. Wish you many more successes".

Suleyman M Ozmen - Sr. Consultant, Independent



"This event congregates the most representative executives from the Ethylene sector so it brings a great opportunity to exchange experiences and make new contacts. I am strongly trying to think in an improvement, but I still cannot find it. This year it has been an absolute 10/10 Conference. We have been coming several years and we will keep trying to come. It has an exceptional organization, and it brought us the opportunity to keep up with our sector colleagues. Please, keep organizing it this way. Congratulations".

Aurelio Munoz - Corporate Sales Director, Schmidt + Clemens Group

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See you in 2022!

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Program Enquiries

Kelsey Kettlehut
kelsk@aiche.org

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Satish Umashankar
satish@e3-worldwide.com
+971 4427 0739