

**7<sup>th</sup>** 22 - 23 January 2020  
Barcelona, Spain

# Maximising Propylene Yields



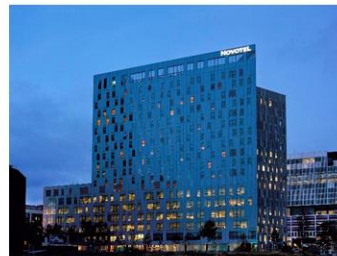
Sponsored by



Supporting Partner



Venue Details



Novotel Barcelona City  
Avenida Diagonal 201  
Barcelona, 08018, Spain  
Tel: +34 933 262 499

## KEY TOPICS

- Ethylene and Propylene- Increased capacity and Impacts
- Latest Updates in Policy and Regulations
- Increasing demand for propylene in the automotive sector
- The impact of plastic industry transformation on the propylene industry
- On purpose propylene production as the necessary technology to fill the propylene gap
- Benchmarking the PDH Technologies- the different routes from propane to propylene production
- Utilizing FCC technology
- Future Feedstock in Propylene Production

For sponsorship opportunities,  
please contact  
Krisztina Gyulavári  
Tel: +1 929 331 6835  
Email: [kvari@acieu.net](mailto:kvari@acieu.net)

More information or Registration,  
please contact  
Adamantia (Mado) Lampropoulou  
Tel: +44 (0) 203 141 0607  
Email: [MLampropoulou@acieu.net](mailto:MLampropoulou@acieu.net)

# 7th MAXIMISING PROPYLENE YIELDS

22nd & 23rd  
January  
2020

Barcelona, Spain

Already on its 7th edition, ACI's Maximising Propylene Yields Conference will bring together senior executives and experts from the refining, chemical & petrochemical industries, as well as leading market analysts, consultants, technology providers & innovators to discuss the latest challenges and developments within the propylene industry.

The two day event will give you an in depth insight into the industry's latest & future technology trends, while also concentrating on key updates and future forecasts on the supply & demand trends of propylene feedstocks, propylene derivatives & propylene itself. By highlighting the sector's current major challenges and opportunities, the conference will provide a holistic outlook on major market trends and drivers in the future.

This year the biggest focus of the event will be dedicated to the innovations in OPP, FCC & PDH Technologies and on the great need of strong strategy in Europe, to enhance propylene business profitability in the each section of the supply chain. Other topics like latest updates in policy and regulations, increasing demand for propylene in the automotive sector and the impact of plastic industry transformation on the propylene industry will also play an important role on the two days discussion.

## Key Topics

- Ethylene and Propylene- Increased capacity and Impacts
- Latest Updates in Policy and Regulations
- Increasing demand for propylene in the automotive sector
- The impact of plastic industry transformation on the propylene industry
- On purpose propylene production as the necessary technology to fill the propylene gap
- Benchmarking the PDH Technologies- the different routes from propane to propylene production
- Utilizing FCC technology
- Future Feedstock in Propylene Production

## Speaking Opportunities

If you would like to be considered as a speaker, for a 20-30mins presentation, at the event please submit an abstract for consideration to:

**Anna Wilinska**

Tel: +48 61 646 7068  
Email: [awilinska@acieu.net](mailto:awilinska@acieu.net)

## Opportunities to Meet Your Target Audience:



Showcase your technologies to the industry, with opportunities to demonstrate the capabilities of your latest products and services. Companies can gain direct access to our senior level audience and have an increased level of visibility and exposure through branding and networking at the conference. This will allow you to attract new business and forge lasting commercial relationships.

For information on available commercial opportunities, please contact:

**Krisztina Gyulavári**

Tel: +1 929 331 6835

Email: [kvvari@acieu.net](mailto:kvvari@acieu.net)

## Join us in Barcelona



## Registration Is Simple

If you would like to register for this event or wish to find out more information, please contact:

**Mado Lampropoulou**

Tel: +44 (0)203 141 0607  
Email: [mlampropoulou@acieu.net](mailto:mlampropoulou@acieu.net)

## DAY 1

Wednesday 22nd January 2020

08:00 REGISTRATION & COFFEE

09:00 CHAIRMAN'S OPENING REMARKS



**Mark Eggleston**  
Director  
Phillip Townsend Associates

09:15 **SESSION ONE**  
**Future Market Overview of the Propylene Industry**

### Evolution of the propylene market

- Shifting supply basis
- Impact of oil refinery rationalisation in Europe
- Consumption outlook



**Stewart Hardy**  
Senior Consultant  
Nexant

### Shale oil and gas output and effects on base olefins production

- Shale oil and gas production and forecast growth
- Effects of US shale on propylene output in the US
- Feedstock and IMO effects on EU propylene



**Stephen Bowers**  
Feedstock and Petrochemical  
Technologies Manager  
Evonik

10:30 **COFFEE BREAK**  
Sponsored by ALBEMARLE

**For commercial opportunities,  
please contact:**

Krisztina Gyulavári

Tel: +1 929 331 6835  
Email: kvvari@acieu.net

11:00 **CONFERENCE PRESENTATION**

### Propylene growth: dispelling conventional wisdom, FCC innovations change supply side dynamics

- Propylene regional demand trends are reasonably predictable but the supply side of the equation is far less predictable
- Recent insights reveal that refinery produced propylene is effectively competing with new investments in PDH capacity
- This deviation from conventional wisdom is driven by innovations in FCC hardware and catalyst technologies, shifts in refinery economics and a vast base of installed refinery assets seeking an extension of their economic life



**Marc Nicolas**  
Global Business Director  
Albemarle Corporation

11:25 **CONFERENCE PRESENTATION**

### Utilizing FCC technology The effect of ZSM-5 catalytic additives deactivation on the FCC performance

- Hydrothermal deactivation
- Contaminant metals deactivation
- Effect on Propylene production



**Antonios C. Psarras**  
Dr. Chemical Engineer, MSc  
CPERI/CERTH

12:10 **LUNCH**

13:10 **CONFERENCE PRESENTATION**  
**Ethylene and Propylene- Increased capacity and Impacts**

- ### Increasing olefins production: will 2020 bring overcapacity and declining margins?
- Review of upcoming olefin projects and growth of on purpose production of propylene due to lighter cracking
  - Shifting global trade flows
  - Impact of overcapacity on global olefins and polymers prices



**Lara Berton**  
Global Methanol Lead  
S&P Global Platts

- 14:25 **CONFERENCE PRESENTATION**  
**Is There Still A Bright Future in Plastics?**
- The impacts of increased investment into emerging chemicals production techniques
  - Recycling and plastics avoidance on petrochemicals supply and feedstock demand
  - Risks and opportunities for refiners



**Victoria Haykin**  
Energy Market Analyst  
JBC Energy

- 15:10 **AFTERNOON REFRESHMENTS & CLOSE OF DAY ONE**



**Mark Eggleston**  
Director  
Phillip Townsend Associates



*6th Maximising Propylene Yields- Barcelona, 2019*

## DAY 2

Thursday 23rd January 2020

- 08:30 **REGISTRATION & COFFEE**

- 09:00 **CHAIRMAN'S OPENING REMARKS**



**Mark Eggleston**  
Director  
Phillip Townsend Associates

- 09:05 **SESSION TWO**

### **On purpose propylene production as the necessary technology to fill the propylene gap**

#### **Filling the Supply Gap with Advanced On-Purpose Propylene Production**

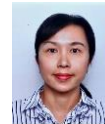
- Influence of the shift to ethane instead of heavier feed slates in US Gulf Coast cracker operations on propylene production
- Incumbent commercial on-purpose process technologies require significant capital investment negatively impacting investment return rate
- Leverage Dow's process, catalyst, and operational expertise to rapidly develop and scale Dow's proprietary FCDh technology for on-purpose propylene production



**Ayush Bafna**  
Sr. Licensing Manager  
The Dow Chemical Company

#### **New kinetic model for Methanol to Propylene to support further process optimization**

- Kinetic modeling
- Process intensification
- Potential for increasing propylene yield



**Lin Lin**  
Senior Research Scientist  
AIR LIQUIDE Forschung und  
Entwicklung GmbH

#### **Coal- to- Olefins (CTO) process and the effect on the European olefins market**

**Iwan S Bn Achmad**  
Senior Process Engineer  
Rabigh Refining & Petrochemical Company

10:55 **MORNING REFRESHMENTS**

11:25 **SESSION THREE**

### The different routes from propane to propylene production

#### Benchmarking the PDH Technologies

- Qualitatively compare and contrast the different routes from propane to propylene
- Simple process description of the most popular licensed technologies
- Main parameters to be compared
- Timing and path forward



**Mark Eggleston**  
Director  
Phillip Townsend Associates

#### PDH in Refinery Environment – Opportunities and challenges

- Refinery hydrogen utilization from PDH – Effect on project economics
- Refinery off-gas recovered propane utilization in PDH technology
- Potential combination with Steam cracker



**Gábor Kis**  
Strategic Expert  
MOL Plc.

#### STAR process – state-of-the-art dehydrogenation technology

- Propane Dehydrogenation
- Most reliable Technology
- Propylene Derivatives



**Dipl.-Ing. Martin Cosfeld**  
Senior Sales Manager Refining and Petrochemicals  
Thyssenkrupp Industrial Solutions AG

13:00 **LUNCH**

14:00

**SESSION FOUR**

### Future Feedstock in Propylene Production Sustainable (Bio-)Chemistry - the NBCVentures' way out of Fossils

- Fermentative C3-biochemistry by NBCVentures as the key to cost effective production of bio-propylene-glycol and its derivatives.
- Economy of fermentative C3-Bio-Chemistry – Nordbiochemistry versus Petrochemistry
- Biobased fuels & fuel additives – propylene glycol ethers as best oxygenates for diesel fuels



**Armand Andres Pajuste**  
CEO  
NBCVentures Ltd.  
A Nordbiochemistry™ Company

#### The opportunities for future feedstocks for PP production: renewable based on bio-waste and plastic chemical recycling

- Market perception for renewable propylene based products
- Routes towards circular feedstock for propylene
- Closing the loop in the polymer value chain



**Dr. Lars Berger**  
VP for Brand Owner Management  
Neste

15:15

**END OF CONFERENCE & AFTERNOON REFRESHMENTS**



**Mark Eggleston**  
Director  
Phillip Townsend Associates

# 7th MAXIMISING PROPYLENE YIELDS

22nd–23rd  
January  
2020

Barcelona, Spain

## Registration Is Simple

If you would like to register for this event or wish to find out more information, you can contact **Adamantia (Mado) Lampropoulou** using any of the following methods:

+44 (0)203 141 0607

[mlampropoulou@acieu.net](mailto:mlampropoulou@acieu.net)

<http://www.acieu.net>

Postal Address:  
ACI Europe, 10 Gough Square, London, EC4A 3DE

## Registration Is Simple

Conference (Includes Documentation Packet)

£1,695  
(Excl. VAT)

Documentation Packet Only

£470.00

Please Note.

Members and customers of all supporting organizations are entitled to a discount off their conference package.

For more information please call +44 (0) 203 141 0607

## Documentation Packet Available

We are selling 7th Maximising Propylene Yields papers at just £440 (+£30 P&P). Simply tick the box on the booking form, send it with payment and your copy will be on its way to you after the meeting.

This important manual will be a source of invaluable reference for the future.

## Terms & Conditions

### Payment

Payment must be received within five business days of returning the signed contract. After receiving payment a VAT receipt will be issued. If you do not receive a letter outlining details two weeks prior to the event, please contact the Conference Coordinator at ACI Europe Ltd.

Discounts are available for multiple/group bookings. Please call **+44 (0)203 141 0607** for more information.

### Cancellations

Substitutions are welcome up to 24 hours prior to the event. Cancellations must be received in writing no less than 3 weeks prior to the start of the conference; a full credit voucher towards a future ACI conference will be issued. Any cancellation received less than 3 weeks prior to the start of the event shall be deemed to be a breach of this contract by client, and accordingly, no credits will be given. Cancellations must be received in writing by mail or fax three weeks before the conference. Thereafter the full conference fee is payable. If for any reason ACI Europe Ltd decides to amend, cancel or postpone this conference, the conference fee will not be refunded. Furthermore, ACI Europe Ltd will not be responsible for covering airfare, hotel or other costs incurred by registrants. In the event that ACI Europe Ltd cancel or postpone the event, ACI Europe Ltd reserves the right to transfer this booking to another conference to be held in the following twelve months, or to provide a credit of an equivalent amount to another conference within the following twelve months. The construction, validity and performance of this agreement shall be governed in all respects by the laws of England to the exclusive jurisdiction of whose courts the Parties hereby agree to submit.

### Accommodation

The cost of accommodation is not included in the event fee. Preferential rates will be arranged with or near the event venue, and all confirmed delegates will be given details of how to book accommodation at this rate in due course.

## About ACI

ACI, a UK owned company, has been running successful conferences in the USA since 1999. Headquartered in Chicago with offices all around the States, ACI opened its European head office at the end of 2005 and has expanded rapidly, launching a series of events in key industries including maritime, energy, oil & gas, cosmetics, chemicals & media.

## Media Partners

