

All the latest news from GPA Europe...



Gas Processors  
Association Europe

*Promoting technical and operational excellence throughout the  
European Gas Industry*

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Stay involved with us in 2021, membership renewals for 2021 have all been sent out and we look forward to seeing you at one of our virtual events, and hopefully conference, this year.

## The Hot-Seat

A message from our Chairperson, Gary Bowerbank.

"It may be a little late but let me still wish you all the best for 2021. Many of us will be continuing to #WFH (work from home), home school the kids and manage various degrees of lockdown restrictions. It's in these times where we all need to pull together and support each other, family, friends and colleagues. This is also true for GPA Europe, we will continue to support our members and the Gas Processing industry in 2021 (and beyond), and will be continuing our Virtual Events Series (free to members), publishing In Brief, monthly Newsletters and, if circumstances allow, a face to face conference later in the year. In parallel we will continue our Key Strategic Initiative workstreams, so expect to see further updates and announcements throughout the year.

If you have any other ideas how we can help you and your company, do let us know at [admin@gpaeurope.com](mailto:admin@gpaeurope.com). Gary"



## Virtual Event Series 2021

### The digital journey continues 19 February 2021!

Be part of our digital journey continuing on 19 February 2021 with the next Technical Session. We are delivering high quality presentations directly to you, our members, for free in the comfort of your home or office.

### Save the 2021 Dates



Save the dates

- 14 January 2021
- 21 January 2021
- 19 February 2021
- 25 March 2021
- 15 April 2021
- 22 April 2021
- 20 May 2021

### Our next sessions



## Technical Session

GPA Europe Virtual Event Series  
Friday 19 February 2021

"Gas Sweetening Technologies"



Hiroaki Hasegawa  
JGC Corporation



Patrick Schiffmann  
Linde GmbH

## Our previous session

GPA Europe Virtual Event Series  
Thursday 14 January 2021

"Digitalisation"



Dr Ralf Notz  
Senior Technology Manager  
BASF SE



Fabrice Rey  
Process Dynamic Simulation Referent  
Technip France

GPA Europe Virtual Event Series  
Thursday 21 January 2021



Martin Copp  
Division Engineering Manager  
Parker Hannifin

"Troubleshooting poorly performing filters/coalescers"

Thank you from all of us at GPA Europe to Ralf Notz from BASF SE and Fabrice Rey from Technip France for presenting at our Virtual Young Professional Session on 14 January 2021. Ralf illustrated how the engineering workflow can be improved by CAPE-OPEN: "Digitalization in the design and optimization of acid gas removal units". Fabrice described new technology that makes it possible to consider Immersive Training Simulators (ITS) using 3D Models to produce training solutions, reducing costs and schedule and improving safety.

Thank you also to Martin Copp from Parker Hannifin for presenting at our Virtual Technical Workshop on 21 January 2021. Martin's Workshop looked at the types of filters and coalescers commonly employed, operational issues that might be encountered and ways to identify what is causing the operational issues. A slightly different format for this session, we had Polls to keep everyone on their toes!

**Did you miss the sessions?** All our sessions from the Virtual Event Series are available for GPA Europe members to watch for free on our website [here](#).

## Sponsorship

GPA Europe would like to thank our sponsors:



If you are interested in [Sponsoring](#) an individual session, or the event series, please get in touch with us at [admin@gpaeurope.com](mailto:admin@gpaeurope.com) today for more information.

## Registration

Registration is now open: [gpaeurope.com/event/gpa-europe-virtual-series-2021](https://gpaeurope.com/event/gpa-europe-virtual-series-2021)

We will update you via our website, [www.gpaeurope.com](http://www.gpaeurope.com), and on our social media platforms as our plans take shape. Don't forget to connect with us on [LinkedIn](#), follow us on [Twitter](#) and join us on [Facebook](#).

As always, we want to hear from you, our GPA Europe members. If you have topics of interest or would like to be involved in future virtual events, please do get in touch with us at [admin@gpaeurope.com](mailto:admin@gpaeurope.com)

**[Registration is OPEN: Virtual Series 2021](#)**

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## GPA Europe Key Strategic Initiative Groups

Our Energy Champions groups have kicked off with their focuses on each 'new' gas vector identified: Biogas, CCS and Hydrogen & Ammonia. We hope to provide you with developments within these areas throughout the coming months.

If you would be interested in being part of our Energy Champion groups, please get in touch with us at [admin@gpaeurope.com](mailto:admin@gpaeurope.com)

In order to continually improve and ensure we are meeting our Member's needs; we would really value any feedback you have on the work carried out under these KSI groups. Please can you complete our [online feedback form](#) or provide direct via email to [admin@gpaeurope.com](mailto:admin@gpaeurope.com)

We will be continuing the work started by our Key Strategic Initiatives groups if you are interested in being part of a group, or would like more information, please let us know at [admin@gpaeurope.com](mailto:admin@gpaeurope.com)

**[Be Part of the Discussion](#)**

## Paper of the Month

We will be highlighting a paper of relevance from our archives each month.

This month we are looking back to a paper on Gas Sweetening from Laura A. Pellegrini & Stefano Langé, Politecnico di Milano, Oldrich Mikus, Stamicarbon, and Barbara Picutti, Paolo Vergani, Guido Franzoni, Marco Lo Savio & Fabio Brignoli, Tecnimont. Presented by Stefano Langé from Politecnico di Milano and Fabio Brignoli of Tecnimont at our 2015 Annual Conference in Florence:

### **"An Innovative Technology for Natural Gas Sweetening by means of Cryogenic Distillation"**

In the presentation, Fabio considered the use of cryogenic distillation for natural gas sweetening. A process based on a "dual-pressure" cryogenic distillation unit was proposed, a high-pressure column for the CO<sub>2</sub> bulk removal and a low-pressure column for the methane recovery, which allow a complete separation of CO<sub>2</sub> and H<sub>2</sub>S from methane, whilst avoiding the CO<sub>2</sub> freezing.

"The application of traditional chemical absorption of CO<sub>2</sub> and H<sub>2</sub>S by means of alkanolamines is not competitive for natural gas sweetening when the amount of acid gas is high, because the energy required by these processes is proportional to the quantity of acid components to be removed.

On the other hand, the cryogenic distillation technologies can be usefully applied to process natural gas with any amount of acid components, since the costs are incrementally reduced, the higher the acid gas content in the stream.

In the amine washing separation methods, CO<sub>2</sub> and H<sub>2</sub>S are recovered at low pressures (nominally 1-2 bar) and need then to be dried and then compressed for re-injection into underground storage; on the contrary cryogenic distillation technologies discharge the CO<sub>2</sub> and H<sub>2</sub>S mixture as a high pressure liquid, with a commercial advantage when this stream is re-injected for storage into depleted reservoirs or for EOR purposes.

An innovative process based on a "dual-pressure" cryogenic distillation unit is proposed with its two sections (the high-pressure column for the CO<sub>2</sub> bulk removal and the low-pressure column for the methane recovery) working across the critical pressure of methane and the SVL locus of the binary CO<sub>2</sub>-CH<sub>4</sub> mixture. This allows a complete separation of CO<sub>2</sub> and H<sub>2</sub>S from methane, while avoiding the CO<sub>2</sub> freezing.

A dynamic simulation study has been developed in order to validate the process architecture and to define the unit start-up procedure, while a laboratory experimental campaign is beginning."

[Download the Paper](#)

## Sponsorship and Exhibition Opportunities

We provide a direct marketing channel to Directors and Process Engineers within the natural Gas Processing Industry.

We have multiple sponsorship opportunities at our events, as well as advertising within In Brief and our Newsletter - [contact us](#) for more information.



### [Highlight Your Institution](#)

## In Brief



Our November 2020 Issue of In Brief is out on the streets - [Check it out!](#)

If you would like to contribute towards our May 2021, we have an opportunity to get involved. A chance to promote your name through the industry.

In Brief is a great opportunity to gain product recognition to the GPA Europe membership.

Please contact the GPA E Team for more information - [admin@gpaeurope.com](mailto:admin@gpaeurope.com)

### [Get Involved](#)

## GPSA Engineering Databook - 14th Edition

The 14th edition of the GPSA Engineering Databook is available with up to the minute improvements and the latest data.

The GPSA Engineering Databook is almost 1,000 pages of technical information and is the worldwide authoritative resource for technical and design information.

Every process engineer should have one!



### [Order Now](#)

## Gulf Energy Information

We have been continuing our partnership with Gulf Energy Information; you may know them better as the company who publish Hydrocarbon Processing, Gas Processing and LNG, Petroleum Economist and several other industry tomes.

If you would like to sample the product for free, just click on the graphic for a free trial subscription.



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