

CHEMICAL ENGINEERING in the PLANT OF THE FUTURE

4 TOPICS

- ▶▶ *Plant of the Future in the society*
- ▶▶ *New ways of process conception*
- ▶▶ *Profound shifts in operating processes*
- ▶▶ *Training and learning*

Industry 4.0, Plant of the Future, Factory of the Future, Smart Factory ...

it is common to encounter an abundance of terms in the press, media, calls for projects etc. relative to the industry of tomorrow.

However, how is the industry being transformed? Are the process industries taking ownership of this change and looking to the future? How is this evolution of the process industries impacting Chemical Engineering as a discipline?

These two half-days event will provide you with both a broad and precise vision of the future of the process industries. It will address the place of the industry in today's society, new ways for process design and shifts in the operation of processes, as well as how training of students, technicians and engineers may need to be rethought to meet these new needs.

The Plant of the Future is being built as of now. Whether you are a professional working in chemical and process industries or in academia, if you are interested and curious to discover the future of Chemical Engineering, come join us at this event to discuss and deepen your knowledge!

SPEAKERS from

SPIRE, CEFIC, IPFEN, ProcessNet, Veolia, Siemens, Dow Chemical, Daiichi Sankyo Europe, Solvay, Total, Variable, KU Leuven University, University of Lorraine

FRIDAY 4 September • morning

- SFGP vision on the Plant of the Future
- Hubs for circularity
- Carbon neutrality : dream or reality ?
- New trends in process simulation: paving the way to digital twin
- Modular plants technology for chemical plants – status update & perspectives
- From machine learning to artificial intelligence for industrial applications
- Process intensification and electrification

Detailed program
Webinar connexion
[INFORMATION](#)

FRIDAY 11 September • afternoon

- Data is not a number
- Utilizing big data analytics in the chemical Industry: experiences and challenges at the Dow Inc. Company
- Ground robotics enabler for the Plant of the Future
- Smart sensors
- Revisiting chemical engineering education
- Industrial vision of the process engineer in a digital plant

CONTACT ORGANIZER
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This event is organized by SFGP under the
auspices of EFCE. It is labelled

www.sfgp.asso.fr XXème journée 'Cathala-Letort' of the SFGP



EFCE

European Federation of Chemical Engineering
Europäische Föderation für Chemie-Ingenieur-Wesen
Fédération Européenne de Génie Chimique

www.efce.info

CHEMICAL ENGINEERING in the PLANT OF THE FUTURE

2 FREE
WEBINARS

3rd EUROPEAN FORUM ON NEW TECHNOLOGIES

organized by the Société Française de Génie des Procédés

as part of the event series of the European Federation of Chemical Engineering



SESSION 1 – FRIDAY 4 SEPTEMBER • 9:00-12:15

| | | |
|---------------|--|---|
| 09:00 • 09:10 | Welcome Hermann Feise, EFCE President; François Nicol, SFGP President | |
| 09:10 • 09:30 | SFGP vision on the Plant of the Future François Nicol, SFGP President, Veolia – France | |
| 09:35 • 09:55 | Plant of the Future in the society | Hubs for circularity Ludo Diels, Process4Planet, Antwerp University - VITO, The Netherlands |
| 10:00 • 10:20 | | Carbon neutrality: dream or reality? Sophie Wilmet – CEFIC, Brussels - Belgium <i>Break</i> |
| 10:35 • 10:55 | New ways of process conception | New trends in process simulation: paving the way to digital twin Benoit Celse, IFPEN, Lyon - France |
| 11:00 • 11:20 | | Modular plants technology for chemical plants – status update & perspectives Franck Stenger, ProcessNet – Germany |
| 11:25 • 11:45 | | From machine learning to artificial intelligence for industrial applications Maurizio Rovaglio, Siemens, Milano - Italy |
| 11:50 • 12:10 | | Process intensification and electrification Tom van Gerven, KU Leuven - Belgium |

SESSION 2 – FRIDAY 11 SEPTEMBER • 14:00-16:45

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|---------------|---|--|
| 14:00 • 14:05 | Welcome Hermann Feise, EFCE President; François Nicol, SFGP President | |
| 14:05 • 14:25 | Data is not a number Marcin Ignac, Variable, London - UK | |
| 14:30 • 14:50 | Profound shifts in operating processes | Utilizing big data analytics in the chemical industry: experiences and challenges at the Dow Inc. Company Ivan Castillo, Leo Chiang and Ricardo Rendall, Dow Chemical, USA |
| 14:55 • 15:15 | | Ground robotics enabler for the plant of the future Jean-Michel Munoz – Total, France |
| 15:20 • 15:40 | Training and learning | Smart sensors Kristina Eisen, Daiichi Sankyo Europe GmbH - Germany <i>Break</i> |
| 15:55 • 16:15 | | Revisiting chemical engineering education Eric Schaer, Univ. Lorraine, Nancy - France |
| 16:20 • 16:40 | | Industrial vision of the process engineer in a digital plant Thierry Cartage, Solvay - Belgique |

CONNEXION TO THE WEBINARS

SESSION 1 – FRIDAY 4 SEPTEMBER • 9:00-12:15

SESSION 2 – FRIDAY 11 SEPTEMBER • 14:00-16:45

Coordinator:

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