

# 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, IFPEN, ProcessNet, Veolia, Siemens, Dow Chemical, Daiichi Sankyo Europe, Solvay, Total, 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

## **FRIDAY 11 September • afternoon**

- 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](http://www.sfgp.asso.fr) 'XXème journée 'Cathala-Letort' of the SFGP



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