

ARTIFICIAL INTELLIGENCE in CHEMICAL ENGINEERING

Paris
13 December 2024

8:45 am • Welcome and Introduction

Giorgio Veronesi, EFCE President
François Nicol, SFGP President
Boelo Schuur, EFCE Scientific Vice-President

*preliminary
program*

- ▶ **Transforming process engineering with generative artificial Intelligence**
- ▶ **AI & ML in the process industry: where we are and where we are going**
- ▶ **Different ways in which AI can be used within the organization to optimize industrial processes**
- ▶ **AI tools for process modeling and simulation: a critical overview on potentialities and limitations so far**
- ▶ **Process flowsheet generation by AI: motivation & current state**
- ▶ **Using machine learning for online 3D characterization of crystals in suspension**
- ▶ **Predicting solubility limits with machine learning**
- ▶ **Deep-learning methods for the image-based assessment of the physical stability of formulated liquids of industrial interest**

Artur Schweidtmann

*Delft University of Technology,
The Netherlands*

Mattia Vallerio

Syensqo, Milano, Italy

Mathieu Cura

Optimistik, Chambéry, France

Alessandro di Pretoro

*ENSIACET/Laboratoire de Génie
Chimique, Toulouse, France*

Thibaut Neveux

EDF Lab, Chatou, France

Anna Jaeggi

ETH Zurich, Switzerland

Florence Vermeire

KU Leuven, Belgium

Massimiliano Villone

Maurizio De Micco

University of Naples Federico II, Italy

Round table

What are the industrialists expectations on AI and how could academia help develop in this direction?

What should be taught at academia?

17:00 • Closure

Registration fees: 160 €
Registration fees (SFGP members): 120 €
Lunch and breaks included
[Click here to register](#)

REGISTER
on line



CONTACT
ORGANIZER

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EASY
ACCESS
LOCATION

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