

# EFCE SpotLight Talks

Section on  
Early Career Chemical  
Engineers

31 May  
2023

14:00 • 16:45

CEST

## OPENING CHEMICAL ENGINEERING TO THE POWER OF OPEN SCIENCE



*Open science has proven itself, from the discovery of far galaxies to human genome. Now that it is becoming widespread, will the open knowledge out there also revolutionize chemical engineering? This spotlight talk series aims giving an overview of open science today and its ramifications into chemical engineering. How open data and software can lead to step changes in both academic and industrial contexts is illustrated via concrete applications.*

### PROGRAM

- 14:00      **Welcome and introduction**  
Gabriele Verrecchia, Chair Section on Early Career Chemical Engineers - Italy  
Giorgio Veronesi, EFCE President
- 14:10      **Open science today**  
Pedro Mendes, University of Lisbon – Portugal
- 14:25      **Data integrity, accessibility, and data management in physical chemistry**  
Simon Stephan, TUK - Technical University of Kaiserslautern – Germany
- 14:55      **Enabling a data-driven future for Synthetic Organic Chemistry with Open Data**  
Teodoro Laino, IBM, Zurich - Switzerland
- 15:25      **Data-driven optimization in process engineering**  
Antonio del Rio, Imperial College London – United Kingdom
- 15:55      **Introduction to Cape-Open on behalf of CoLAN.org**  
Richard Baur, Shell, CAPE-OPEN, The Netherlands
- 16:25      **Conclusion**  
Pedro Mendes, University of Lisbon - Portugal  
Laura Pirro, Yara International - The Netherlands

[Registration](#)

*free of charge but mandatory*

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