

EFCE SpotLight Talks

Working Party on Education

26 April
2022

09:30 am • 12:00 pm

CEST

Innovative Chemical Engineering Education



Facing a changing world, the evolution of the chemical engineering profession, of learners and of teaching methodologies, chemical engineering programmes have to evolve to meet industrial and societal needs, as well as the challenges of ecological and energy transitions. Education is no longer limited to the acquisition of scientific and technical knowledge and their application to engineering analysis, design, practice or investigations. This is still necessary and must include new trends, but the development of professional competencies, such as ethics, critical thinking, creativity, team working or the capacity to make decision has now gained much more importance.

The webinar will share examples of innovative teaching methodologies and subjects promoting interdisciplinarity developed by the members of the Working Party Education of the European Federation of Chemical Engineering.

PROGRAM

- 09:30 **Welcome and introduction**
Eric Schaer, Chair WP on Education, Lorraine University – France
Petr Kluson, EFCE Scientific Vice-President
- 09:40 **Teaching professional ethics**
Jarka Glassey, Newcastle University – United Kingdom
- 10:10 **Use of Capstone Project to promote interdisciplinarity**
David Shallcross and Colin Scholes, University of Melbourne - Australia
- 10:40 **Importance of the work placement and its connection with research project**
Cilian O’Suilleabhain and Sandra Lenihan, Munster Technological University - Ireland
- 11:10 **Demonstration of immersive tools for chemical engineering training**
Tom Van Gerven, KU Leuven – Belgium
- 11:40 **Final remarks and panel discussion**
Eric Schaer, Chair WP on Education

[Registration](#)

free of charge but mandatory

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