

EFCE SpotLight Talks

Working Party on Loss Prevention and Safety Promotion in the Process Industries

22 November
2022

14:50 • 17:15

CET

SAFETY AND RISK OF ENERGY TRANSITION

Global warming and climate change are nowadays proven by scientific evidence and the debate now is how we can invert the tendencies before the global surface temperature increase will become definitively out of control. The Green Deal sets the target of climate neutrality in Europe by 2050. The need of energy transition is further boosted by the ambitious middle term goals defined by the RePowerEU plan, adopted to manage energy security supply caused by the Ukraine war. The efforts of process safety experts should be addressed therefore in standardization and training of renewable energies stakeholders in order to ensure that the energy transition process will be lead in a safe way. The appearance of risk "spots" may be expected due to the local increase of risk due to new distribution networks of energy vectors. A trade-off among environmental impact and safety needs to be assessed and managed in the perspective of a sustainable transition to renewable.

World class experts in the field from different countries will provide you with a vision of new approaches, examples of good practice and advanced techniques, focusing on main challenges in the energy industry of the future:

- *understanding risks and challenges of renewable energies and developing resilience;*
- *identifying hazards of new energy carriers like hydrogen ad ammonia, novel process types and new technologies involved;*
- *management of risk and of risk trade-off in the transition to renewable energy sources.*

Participants from both academia and industry are very welcome.



PROGRAM

- 14:50 **Welcome and introduction**
Bruno Fabiano, Chair of Working Party on Loss Prevention - DICCA University of Genoa - Italy
Petr Kluson, EFCE Scientific Vice-President
- 15:00 **Process Safety challenges related to energy transition**
Maurizio Rigolio, Tecnimont, Milan - Italy
- 15:30 **New Hazards related to the energy transition**
Tjis Koerts EPSC - European Process Safety Centre c/o DECHEMA e.V. Frankfurt - Germany
- 16:00 **Risk management and trade-off in the energy transition framework**
Valerio Cozzani, University of Bologna - Italy
- 16:30 **Process industry safety challenges by new energy carriers/materials and new process types**
Hans J. Pasman and Edison Sripaul, MKOCPSC, Texas A&M University, TX - USA
- 17:00 **Discusion and Conclusion**
Bruno Fabiano, Chair of Working Party on Loss Prevention - DICCA University of Genoa - Italy

Registration

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free of charge but mandatory