

# Workshop on the use of Fuel Cells and Hydrogen in the Railway Environment

17 May 2019

Avenue de la Toison d'Or 56-60, 1060 Brussels

- 09:30 - 10:00**      **Registration and coffee**
- 10:00 - 10:30**      **Official opening**
- Henrik Hololei** (Director-General for Mobility and Transport, European Commission)
- 10:30 - 11:30**      **Keynotes**
- Joint Undertakings' perspective - Carlo M Borghini (**S2R JU**)  
Bart Biebuyck (**FCH JU**)
- Study overview - Andreas Schwilling (**Roland Berger**)  
Thomas Zorn (**Roland Berger**)  
Patrick Andrae (**Roland Berger**)
- 11:30 - 12:30**      **Panel 1: Technology status**
- Moderator - Enrique Girón (FCH JU)*
- Fuel cell technology - Mark Kammerer (**Hydrogenics**)  
Hydrogen infrastructure - Dr. Peter Haider (**Linde**)  
Train manufacturers - Ulrich Gahl (**Alstom**) and Katrin Seeger (**Siemens**)
- Panel Discussion*
- 12:30 - 13:30**      **Lunch**
- 13:30 - 14:30**      **Panel 2: Rail applications**
- Moderator - Javier Ibáñez de Yrigoyen (S2R JU)*
- Multiple Unit Operator - Samuel Deshays (**SNCF**)  
Shunter Operator - Karl Zöchmeister (**Rail Cargo**)  
Mainline Locomotive Operator - Julian Mohr (**Deutsche Bahn**)
- Panel Discussion*
- 14:30 - 15:00**      **Coffee break**
- 15:00 - 16:30**      **Panel 3: Political perspective and policy landscape**
- Moderator - Mirela Atanasiu (FCH JU)*
- Regional representatives - Javier Navarro (**Aragón Region, Spain**)  
Stefan Rehm (**Heide region, Germany**)  
Stefan Bergander (**HYPOS e.V. East Germany**)  
Policy representative - Elena Hof (**NOW GmbH, Germany**)
- Panel Discussion also including European Commission representatives:*  
Katarzyna Drabicka (**DG RTD**)  
Keir Fitch (**DG MOVE**)
- 16:30 - 16:45**      **Closing**

