



TECHNICAL WORKSHOP / WEBINAR



<https://www.pegasus-pemfc.eu/>

PGM (Platinum Group Metal) Free Catalysts for ORR (Oxygen Reduction Reaction) for PEMFC

Description and objectives:

- Presentation of the results obtained in the FCH-JU 2 funded Project PEGASUS.
- Presentation of the results obtained in other international projects working on PGM free catalysts.
- Share vision on PGM free electrocatalysis for PEMFC application, receive comments and remarks from the PEMFC community.

Access:

This webinar is hosted by the platform Act & Match.

The link for the first day (14 June 2021) is: <https://mgiraud.virtualrooms.actandmatch.com/pgm-free-catalysts-for-pemfc-day-1>

The link for the second day (15 June 2021) is: <https://mgiraud.virtualrooms.actandmatch.com/pgm-free-catalysts-for-pemfc-day-2>

The webinar is in open access

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AGENDA:

14/June 2021

Slot time	Topic / title	Name
15h00 – 15h15	Welcome and opening	Pierre-André Jacques (CEA, France)
15h15 – 15h35	Fe-N-Carbon aerogel catalysts for oxygen reduction reaction: from the synthesis to the electrochemical performance	Sandrine Berthon-Fabry (ARMINES, France)
15h45 – 16 h05	Modified CNT for ORR	Bruno Josselme (CEA, France)
16h05 -16h25	Pegasus : synthesis and characterization of PGM free catalysts	Sergio Rojas (CSIC, Spain)
Break		
16 h45 – 17 h05	CRESCENDO: project overview	Deborah Jones (CNRS, France)
17h05 – 17h25	CRESCENDO: focus on technical results	Coming soon
17h25 – 18 h05	ElectroCat: Recent Progress in PGM-free Electrocatalysis	Piotr. Zelenay (LANL, US)
18h10 – 18h30	Nitrite and nitric oxide as probe molecules to assess active site density in non-precious metal catalysts – in situ and ex situ measurements	Anthony Kucernak (Imperial college London, UK)

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15h00 – 15h45	Coming soon	Ulrike Kramm (TUD, Germany)
15h45 – 16h00	International library of PGM-free ORR catalysts for PEMFC application within PEGASUS project	Li Wang (DLR, Germany)
16h00 – 16 h25	Investigation of PGM-free ORR catalysts at agglomerate scale with SECM, AFM and numerical simulation	Alice Boudet (CEA, France)
Break		
16h50 – 17h05	Impact of the process on the active layer structure and MEA performance	Pierre-André Jacques (CEA, France)
17h05 – 17h25	Characterization of MEA integrating PEGASUS catalysts	Yan sheng Li (TUM, Germany)
17h30 – 18h00	Observation of PGM-free material transformations during pyrolysis using in-situ techniques.	Iryna Zenyuk (UC Irvine, US)