



La Grande Motte – France
Conference Centre
13-16 September 2015

Electrolysis & Fuel Cell Discussions

Challenges towards zero platinum for oxygen reduction

Chairs: Deborah Jones & Frédéric Jaouen - CNRS, Montpellier, France

The 2015 edition of the **Electrolysis and Fuel Cell Discussions** conference is dedicated to ultra-low platinum loading and non-platinum-group metal catalysts, and focuses on oxygen reduction in low temperature fuel cells. It also celebrates the 50th anniversary of Jasinski's discovery on the activity of cobalt phthalocyanine, which paved the way for the class of metal-nitrogen-carbon catalysts. The conference will be the opportunity to discuss the scientific and technological challenges on the way towards zero platinum loading. Invited lectures, oral and poster presentations will provide an international perspective of the most recent research activities in this fast-moving area.

TOPICS COVERED WILL INCLUDE

- Cathode catalysts for PEMFC and AEMFC
 - Non-PGM catalysts
 - Ultra-low PGM-loading catalysts
 - Hybrid PGM-non-PGM approaches
- Modelling of catalytic sites and reaction pathways
 - Advanced characterisation techniques
 - Mass-transport challenges
 - Ageing and durability
- Platinum-group-metal-free for PEM electrolysers

INVITED SPEAKERS

- **Plamen Atanassov**
University of New Mexico
- **Bruno Josselme**
Atomic Energy Authority, CEA, Saclay
- **Yu Morimoto**
Toyota Central R&D Labs
- **Kenichiro Ota**
Yokohama National University
- **Bryan Pivovar**
National Renewable Energy Laboratory
- **Andrew J. Steinbach**
3M
- **Peter Strasser**
Technical University of Berlin
- **Piotr Zelenay**

FUEL CELL FUNDAMENTALS SHORT COURSE

13 September 2015

Hubert Gasteiger - Technical University of Munich
Frédéric Jaouen - CNRS Montpellier

KEY DATES

- **Abstract submission deadline**
2 April 2015
- **Early bird registration deadline**
1 June 2015

CONTACT

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