

Seminar on

**SWISS CORROSION RESEARCH  
CHALLENGES, OPPORTUNITIES AND  
APPLICATIONS**

EPFL, 27 November 2015

**Goals**

- To present the state of the art of scientific research carried out in Switzerland in the field of corrosion with emphasis on scientific work, innovation potential and future development opportunities.
- To bring together scientists actively involved in corrosion research in companies and research institutes and to foster scientific and technological exchanges.
- To present innovative directions in research and technological development in academia and industry.
- To illustrate new opportunities for the technological development of new materials and coating concepts.

**Date:** 27 November 2015, 10:15 to 16:00

**Venue:** Lausanne, EPFL room CM 1 100.

**Registration:** participation is free of charge but registration is required before November 20 (simply send an email with name and affiliation to [angela.bermudezcastaneda@epfl.ch](mailto:angela.bermudezcastaneda@epfl.ch)).

**Organizers:**

Stefano Mischler EPFL, Tribology and Interfacial Chemistry (TIC), Station 12, 1015 Lausanne

Patrik Schmutz EMPA, Joining technologies and Corrosion, Ueberlandstr.129, 8600 Dübendorf

**Endorsement:**



## Program

10:15 Registration

10.40 Welcome

### **10:45 *Thermally sprayed coatings for corrosion and tribocorrosion applications***

N. Espallargas, NTNU (N) and Visiting Professor – ETH Zürich

### **11:10 *Advanced multi architecture coatings for corrosion protection***

L. Philippe, EMPA, Swiss Federal Institute for Material Research

### **11:35 *Corrosion testing of aluminium sheets for automotive application***

M. Berner, Novelis Switzerland SA

### **12:00 *Corrosion issues in power generation***

J. Van Herle, EPFL

12:25 LUNCH

### **13:30 *Corrosion and cultural heritage: the case study of the door of the Baptistery in Florence***

L. Brambilla, HES-ARC Neuchâtel

### **13:55 *Corrosion in nuclear waste disposal: How far into the future can we see?***

N. Diomidis, Nagra, National Cooperative for the Disposal of Radioactive Waste

### **14:20 *Biological alternative for the stabilization of copper corrosion layers***

E. Joseph, Université de Neuchâtel

### **14:45 *Passivation and localized corrosion***

P. Schmutz, EMPA, Swiss Federal Institute for Material Research

### **15:10 *Tribocorrosion: coupling mechanics and chemistry***

S. Mischler, EPFL

15:35 Round table discussion

16:00: End of the meeting