



BIANNUAL MEETING

12-13 December 2017, Hub de l'Énergie, rue Baudelocque, Amiens, France

ALISTORE academic and industrial partners meet to present the scientific progress, activities, and highlights of the characterization platforms that occurred during the last six months within the groups. All challenges, technologies and techniques will be discussed over a two-day programme.

Please register **HERE** before **30th November**
<https://goo.gl/forms/soVSVYo4XcTY5LJo1>

Programme of 12th December 2017



09:30 Welcome

*Mathieu Morcrette, Director of LRCS
Denis Postel, Vice-President – Research department of
Université Picardie Jules Verne*

09:40 ALISTORE Activities

Rosa Palacin, Patrice Simon, Direction

10:30 Research funded by ALISTORE

*Current PhD students and Post-Doctoral researchers within
ALISTORE labs. 10 min presentation, 5 min for questions.*

- *Viktor Nilsson, PhD of Uppsala Univ and Chalmers Univ.
Technology
« Critical evaluation of the stability of highly concentrated
LiTFSI - acetonitrile electrolytes vs. graphite, lithium metal
and LiFePO4 electrodes »*
- *Piotr Jankowski, PhD of Warsaw Univ. of Technology and
Chalmers Univ. Technology
« Computational and Experimental studies on Sulfur-
containing SEI-forming Additives for Lithium-ion Batteries »*

11:00 Coffee break

11:30 Research funded by ALISTORE

- Robert Armstrong, St Andrews University
Eun Jeong Kim's work (PhD) « improved electrochemical performance of LiCoPO₄ using eco-friendly aqueous binders »
- Amangeldi Torayev, PhD of LRCS and Univ. of Cambridge
« Transport and anisotropy in Li-O₂ batteries »
- Theodosios Famprikis, PhD of Univ. of Bath and LRCS
« Oxysulfide solid electrolytes for all-solid-state batteries »
- Marcus Fehse, Post Doc Univ. of Kent and TuDelft
« X-ray absorption for investigating complex conversion reactions »
- J. Jiju Arayamparambil, PhD of ICGM and Univ. of Kent
« Operando XAS study of CoNCN reaction mechanism in Li-ion batteries »
- Antonio Scarfuri, PhD of ICGM and NIC
« Innovating Calcium batteries »

13:00 Buffet lunch

14:15 Research by academia and industry

Hot topic presentation or highlights of 20 min presentation, 10 min for questions

- Bernard Lestriez, IMN
« A film maturation process for improving the cycle life of silicon-based anodes »
- Robert Dominko, NIC
« Mechanistic studies of metal sulfur batteries»
- Chandramohan George, TuDelft
« Light-active Polymeric Binders Towards Photo-chargeable Batteries »
- Marek Marcinek, WUT
« New Salts Saga - Is it feasible to make a full cell with Huckel type based electrolytes? »

16:15 Coffee break

16:45 Presentation of ALISTORE-ERI Presidency application

17 :00 Presentation of ALISTORE-ERI Scientific direction application

**17 :30 Presentation of new member applications
CIDETEC, LANCASTER, DUT Energy, TALLINN
and Twente**

18:15 Closure

19:30 Dinner - Le Quai, 13-15 Quai Belu - Amiens





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ALISTORE academic and industrial partners meet to present the scientific vision.
The meeting will close following the Scientific Council meeting.

Programme of 13th December 2017

08:30 **White Paper on Ageing mechanism in Li-ion based batteries**
Rosa Palacin

09:15 **Parallel sessions**
Industrial Club members
Academic members

10:00 **Coffee break**

10:30 **Scientific Council**
Votes on:
Debtor institutions
Withdrawal: Marseille
New members: CIDETEC, LANCASTER, DUT Energy, TALLINN
and Twente

11:45 **Closure**

12:00 **Lunch**

13:15 **Visit of the Hub**

