



Welcome to the ALISTORE meeting

BIANNUAL MEETING

7-8 June 2017, University of Bath, Claverton Down, Bath BA2 7AY, UK

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](https://goo.gl/forms/8ebRjBJNbf8HY8o2) before 20th May
<https://goo.gl/forms/8ebRjBJNbf8HY8o2>

Programme of 7th June 2017

- 09:30 Welcome (5 West Building, Room 2.4)**
Saiful Islam, Professor of Materials Chemistry
Department of Chemistry, University of Bath
- 09:40 Opening address**
Prof Jonathan Knight, Pro Vice-Chancellor for Research,
University of Bath
- 09:45 ALISTORE Activities**
Rosa Palacin, Patrice Simon
- 10:30 Research funded by ALISTORE**
Current PhD students and Post-Doctoral researchers within
ALISTORE labs. 10 min presentation, 5 min for questions.
- *Erik Kelder*, TuDelft
Pierre Ranque's work (PhD): « New Active Polymers for metal ion batteries »
 - *Lukas Lutz*, PhD of Collège de France and Univ. of Oxford
« Insight in the life of a Na-O₂ battery – exploring discharge, charge and degradation »
- 11:00 Coffee break (5 West Foyer)**

11:30 Research funded by ALISTORE

- Carine Davoisne, LRCS
Mattia Giannini's work (Post Doc): « Electron Microscopy study of Li-S battery »
- Eun Jeong Kim, PhD of Univ. of St Andrews and LRCS
« Operando diffraction studies of high voltage cathode materials for lithium ion batteries »
- Amangeldi Torayev, PhD of LRCS and Univ. of Cambridge
« Modeling of transport in Li-O₂ batteries »
- Theodosios Famprikis, PhD of Univ of Bath and LRCS
« Oxysulfide Electrolytes for All-Solid-State Batteries »
- Marcus Fehse, Post Doc Univ of Kent and TuDelft
« Extended use of synchrotron radiation for new insights on battery materials »
- Lorenzo Stievano, ICG
J. Jiju Arayamparambil's work (PhD): « Metal carbodiimide materials, a new family of electrode materials for Li- and Na-ion batteries »

13:00 Buffet lunch (5 West Foyer)

14:15 Research by academia and industry

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

- Alexandre Ponrouch, ICMAB
« The challenging path towards Ca and Mg metal anode based batteries »
- Christine Frayret, LRCS
« Electronic structure analysis and prediction: a pathway to tackle challenges in materials for energy »
- Frédéric Le Cras, CEA-LETI/ICMCB
« Active materials for all-solid-state lithium and Li-ion microbatteries »

15:45 Coffee break (5 West Foyer)

16:15 Research by academia and industry

- Rémi Dedryvère, IPREM
« Redox activity and interface stability of sulfide-based solid electrolytes toward positive electrode materials studied by XPS and Auger spectroscopy »
- Alejandro Franco, LRCS
« Linking the Performances of Li-O₂ Batteries to Discharge Rate, Electrode and Electrolyte Properties through the Nucleation Mechanism of Li₂O₂ »



17:15 COFUND Discussion

18:00 Closure

19:30 Conference Dinner (Woods Restaurant, Alfred Street)



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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 8th June 2017

- 08:30** **White Paper on Aqueous Batteries**
Rosa Palacin and Laurence Croguennec

- 09:30** **Parallel sessions (Rooms 5 West 2.4 and 8 West 2.24)**
Industrial Club members
Academic members

- 10:30** **Coffee break**

- 10:45** **Scientific Council**

- 11:45** **Closure for Industry Members**
Academic meeting session

- 13:00** **End of meeting**