BALIHT

WORKSHOP #1

NOVEL TECHNOLOGIES AND COMPONENTS FOR ORGANIC REDOX FLOW BATTERIES

27 April 2023. 10:00 - 12:30 (CET) - Online

REGISTRATION

WHAT TO EXPECT?

This 1st BALIHT workshop will offer insights on organic redox-flow batteries (RFB), and more specifically on the technologies and components developed by our consortium throughout the project.

BALIHT is a EU-funded research and innovation project, aiming to develop an organic redox flow battery suitable to work at higher temperatures than current redox flow batteries. BALIHT battery tackles major issues faced nowadays: the need to provide storage solutions for the integration of energy generated from renewable sources. BALIHT battery also aims at reaching high environmental and safety standards by avoiding the use of hazardous and critical raw materials.

PROGRAMME & SPEAKERS

Partners will give an overview of the objectives of the main innovations of the project, the research route towards the components and technologies to be developed and the results achieved.
Discover more about our partners HERE

- 10:00 – 10:10: Welcoming words & introduction
  Carla De Juan, AIMPLAS (Project Coordinator)
- 10:10 - 10:30: Organic-based electrolytes suitable for heavy multi-cycling at higher temperatures
  Dr. Tyler Andrew Gully, CMBlu (organic flow batteries manufacturing)
- 10:30 – 10:45: Plastic frames without significant deformation at temperatures up to 80°C
  Tobias Gebhardt - CMBlu
  Marta Pérez - AIMPLAS (Plastics Technology Centre)
- 10:45 - 11:00: Polymeric membranes with high performance in warm environments
  Chiari Van Cauter - KU Leuven (Membrane Technology Group)
- 11:00 – 11:15: Thin and flexible electrodes with a 150% of current reaction kinetics
  Mesut Altuntas & Sören Baumann - SCHUNK Kohlenstofftechnik GmbH (Carbon & Graphite materials)
  Marta Pérez - AIMPLAS

11:15 - 11:30 COFFEE BREAK

- 11:30 – 11:45: New stack redesign with less components and strong & safe welding system
  Tobias Gebhardt - CMBlu
- 11:45 – 12:00: Flexible tanks designs with thermal resistance up to 80ºC and easy cleaning & electrolyte evacuation
  Sergi Pallarès - TECNODIMENSION (Inflatable structures manufacturing)
  Marta Pérez - AIMPLAS
- 12:00 – 12:15: Modular Battery Management System, optimized for oRFB working at warm environment
  Morana Lončar - KONČAR Digital (Digital platforms developer)
- 12:15 - 12:30: Energy Management System including RFB features
  Elena Leal & Alberto Zambrano - ETRA I+D (Smart Technologies Innovation Centre)

REGISTRATION

Please click HERE to register to the online workshop. After registration, a confirmation will follow.
Not available that day? The recording will be sent to registrants shortly after the event.

CONTACTS

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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement Nº 875637 H2020-LC-BAT-2019-2020