



國立清華大學
NATIONAL TSING HUA UNIVERSITY

Colloquium
Department of Engineering
and System Science,
Institute of Nuclear Engineering
and Science,
National Tsing Hua University

Aluminum-based batteries:
Developments, Challenges,
and Perspectives

林孟昌 博士

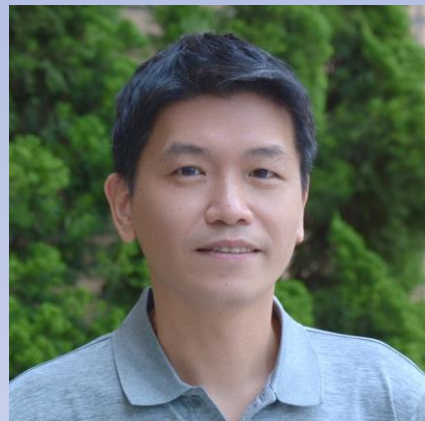
Dr. Lin, Meng-Chang

- **Introduce recent progress in combining AlCl_3 -based ionic liquid electrolytes and advanced carbon materials for aluminum and dual-graphite batteries.**
- **Examples include 3D graphitic foams, graphitic MWCNT, carbon/sulfur composites, deep eutectic solvents, Lewis acidic/basic ionic liquids, and aqueous solvents.**
- **Offer perspectives on aluminum and dual-graphite batteries engineering in general.**

15:30-17:00, Wednesday,
April. 12th, 2023

NE69 ESS Building, NTHU
101, Sec.2, Kuang-Fu Rd.,
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Biography:



- **Sept. 2022–Current**
Associate Professor of Dept. of Materials Science and Engineering, National Chung Hsing University.
- **May 2022–Aug. 2022**
Associate Professor of Graduate Institute of Nanomedicine and Medical Engineering, Taipei Medical University.
- **Jan. 2016–Apr. 2022**
Professor of College of Electrical Engineering and Automation, Shandong University of Science and Technology.
- **May 2013–Aug. 2014**
Visiting Scholar in Department of Chemistry, Stanford University.
- **Sept. 2010–Dec. 2015**
Senior Researcher of Green Energy and Environment Research Laboratories, Industrial Technology Research Institute.
- **Sept. 2005–Jun. 2010**
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