

# MEMORANDUM OF UNDERSTANDING

between

ARGONNE NATIONAL LABORATORY

and

THE COMMONWEALTH SCIENTIFIC AND  
INDUSTRIAL RESEARCH ORGANISATION

## FOR COOPERATION ON TOPICS OF ENERGY STORAGE

Argonne National Laboratory and the Commonwealth Scientific and Industrial Research Organisation (CSIRO), collectively herein the "Participants",

SHARING an interest in collaborating on the topics of energy storage,

HAVE REACHED THE FOLLOWING UNDERSTANDING:

### I. OBJECTIVE

The Participants intend to work together to develop the mechanisms and processes to promote collaborative efforts related to energy storage and advanced diagnostic tools to understand failure mechanisms of lithium-ion and sodium-ion batteries.

### II. FORMS OF COOPERATION

Planned cooperation may include, but is not limited to:

1. Exchange of published scientific and technical information, publications, and reports;
2. Meetings organized to discuss specific technical topics and cooperative activities, including conferences, seminars, and workshops;
3. Exchange of scientists, engineers, and other specialists for participation in workshops, conferences, seminars, and working sessions. Each Participant is to abide by the health, safety, and environmental requirements of the host Participant when on an exchange assignment at the host Participant's facility;
4. Planning of potential projects in energy storage, such projects to be undertaken pursuant to an appropriate written agreement therefor.

### III. POINTS OF CONTACT

Each Participant should designate one or more Lead Coordinators to serve as its principal representative(s) for all activities conducted under this Memorandum of Understanding (MOU),

including identifying areas of cooperation, coordinating cooperation between the Participants, and identifying available resources (including funding) for potential collaborative activities under this MOU.

#### IV. GENERAL CONSIDERATIONS

1. This MOU does not create any legally binding obligations between the Participants.
2. The conduct of cooperative activities contemplated by this MOU is subject to the availability of funding, personnel, and other resources.
3. Each Participant should conduct the cooperation under this MOU in accordance with applicable laws and regulations to which it is subject, and international agreements to which its Government is party.
4. Each Participant is to be responsible for the costs it incurs in participating in cooperative activities under this MOU.

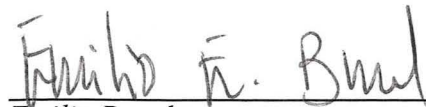
#### V. COMMENCEMENT, MODIFICATION AND DISCONTINUATION

1. Cooperative activities under this MOU may commence upon signature by the Participants and continue for a 5-year period unless discontinued in accordance with paragraph 2 of this Section.
2. The Participants may discontinue this MOU at any time in writing by mutual consent. Alternatively, a Participant that wishes to discontinue its participation in this MOU should endeavor to provide at least ninety (90) days written notice to the other Participant.
3. This MOU may be modified or extended for additional periods by mutual written consent of the Participants.

Signed at Melbourne in duplicate, this 25<sup>th</sup> day of AUGUST, 2015.

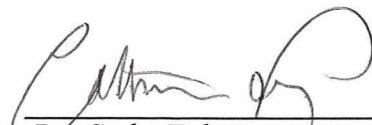
For Argonne National Laboratory:

For CSIRO:



Emilio Bunel

Director  
Chemical Sciences & Engineering Division



Dr. Cathy Foley

Deputy Director & Science Director  
CSIRO Manufacturing