

MEMORANDUM OF UNDERSTANDING

among

ARGONNE NATIONAL LABORATORY, whose principal office is at 9700 Cass Ave,
Lemont, IL 60439, USA,

and

KARLSRUHE INSTITUTE OF TECHNOLOGY, whose principal office is at Kaiserstr. 12,
76131 Karlsruhe, Germany,

and

UNIVERSITÄT ULM, whose principal office is at 89069 Ulm, Germany,

and

DEUTSCHES ZENTRUM FÜR LUFT- UND RAUMFAHRT e.V., whose principal office is at
Linder Höhe, 51147 Köln, Germany,

and

ZENTRUM FÜR SONNENENERGIE- UND WASSERSTOFF-FORSCHUNG BADEN-
WÜRTTEMBERG, whose principal office is at Helmholtzstr. 8, 89081 Ulm, Germany,

FOR COOPERATION ON ENERGY STORAGE

Argonne National Laboratory, Karlsruhe Institute of Technology, Universität Ulm, Deutsches Zentrum für Luft- und Raumfahrt e.V., and Zentrum für Sonnenenergie- und Wasserstoff-Forschung Baden-Württemberg, collectively herein the "Participants",

SHARING an interest in collaborating in energy storage,

HAVE REACHED THE FOLLOWING UNDERSTANDING:

I. OBJECTIVE

The Participants intend to work together to develop the mechanisms and processes to promote research and academic exchange and cooperation on energy storage.

II. FORMS OF COOPERATION

Planned cooperation may include, but is not limited to:

1. Planning of potential projects in energy storage;
2. Exchange of published scientific and technical information, publications, and reports;

3. Exchange of samples and materials, subject to applicable government approvals and laws; and
4. Exchange of scientists, engineers, and other specialists for participation in cooperative activities as described above. 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.
5. The conduct of collaborative research and development, including projects planned under item 1 of this Section, is to be undertaken under an appropriate written contract 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 or among 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 by mutual written 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 Participants.

[CONTINUED ON NEXT PAGE]

3. This MOU may be modified or extended by mutual written consent of the Participants.

Signed in five originals.

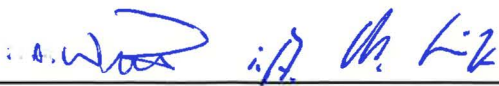
For Argonne National Laboratory:


Cynthia J. Jenks
Chemical Sciences and Engineering Division

Place Chicago, IL USA

Date 2017-10-18


For Karlsruhe Institute of Technology:


Oliver Wittek and Michael Schmitt
Legal Affairs

Place Karlsruhe

Date 27.10.2017

For Universität Ulm:


Dieter Kaufmann, Chancellor

Place Ulm

Date 8/11/17

For Deutsches Zentrum für Luft- und
Raumfahrt e.V.:


J. M. Kunkel S. Eggers

Place Stg Köln

Date 19.12.17 14 Dec. '17

For Zentrum für Sonnenenergie- und Wasserstoff-Forschung Baden-Württemberg:


Prof. Dr. Frithjof Staiß
Managing Board

Place Ulm

Date 04.12.17


Prof. Dr. Werner Tillmetz
Board Division EC