

5 March 2014

Pamela J. Sydelko  
Deputy Associate Laboratory Director  
National Security Initiative Leader  
Energy Engineering and Systems Analysis  
Argonne National Laboratory  
9700 S. Cass Avenue  
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United States of America

Dear Pam

**Memorandum of Understanding – Argonne National Laboratory and SMART**

Enclosed are two copies of the Memorandum of Understanding between Argonne National Laboratory and the University of Wollongong signed by our Deputy Vice-Chancellor (International) for your attention.

Could you please arrange for both copies of the memorandum to be signed and return one original copy to myself.

Thank you for your patience in making this happen.

  
Michael Grainger  
Research Operations Manager

**MEMORANDUM OF UNDERSTANDING**  
between

Argonne National Laboratory  
and  
The University of Wollongong

**FOR COOPERATION IN INFRASTRUCTURE SOLUTIONS**

Argonne National Laboratory (Argonne), operated by UChicago Argonne, LLC under Prime Contract No. DE-ACO2-06CH11357 with the U.S. Department of Energy (DOE) in Argonne, IL, USA, and The University of Wollongong (University) Wollongong New South Wales, Australia, collectively hereinafter referred to as the "Participants",

Have reached the following understanding:

**Section 1: INTRODUCTION**

The objective of this MOU is to promote cooperation among scientists and specialists at Argonne and the University and to establish a framework for collaboration in the field of infrastructure solutions with application to:

- (i) transportation modeling,
- (ii) infrastructure assurance and service vulnerability, and
- (iii) complex interdependencies of infrastructure networks and services,

**Section 2: COLLABORATIVE ACTIVITIES**

Collaborative activities between the Participants may be implemented through:

- (1) promotion of joint research activities;
- (2) exchange of scientific and technical information;
- (3) exchange of visits by scientists, specialists, graduate/post graduate/PhD students.

The conduct of the foregoing activities is to be the subject of appropriate written contractual agreement(s), and all appropriate required approvals.

**Section 3: 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 planned areas of cooperation, coordinating cooperation between the Participants, and identifying available resources (including funding) for potential collaborative activities under this MOU.

**Section 4: GENERAL CONSIDERATIONS**

- (1) The conduct of cooperative activities contemplated by this MOU is subject to the availability of funding, personnel, and other resources. Each Participant is to be responsible for the costs it incurs in participating in cooperative activities under this MOU.
- (2) 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.
- (3) Cooperative activities under this MOU may commence upon signature by the Participants and continue for a 3-year period unless discontinued in accordance with paragraph (4) of this Section.
- (4) The Participants may discontinue this MOU at any time in writing. 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.
- (5) This MOU may be modified in writing by mutual consent of the Participants, and may be extended for additional periods.
- (6) The purpose of this MOU is only to express the intentions of the Participants and is not intended to be legally binding on either Participant.

Signed in duplicate.

For Argonne National Laboratory:

For the University of Wollongong:

Signature Pamela J. Sydelko

Signature: [Signature]

Name: Pamela J. Sydelko

Name: Joe Chicharo

Title: Deputy Associate Lab Director

Title: Professor

Energy Engineering & Systems Analysis  
(place)

Deputy Vice-Chancellor (International)  
(place)

Date: 04-17-14

Date: \_\_\_\_\_