



**Sandia National Laboratories**  
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**SUBJECT:** Report on Foreign Travel to Japan  
**DATE:** 01/18/2024  
**TO:** Dr. Angela Chambers, Nuclear Criticality Safety Program Manager, National Nuclear Security Administration / NA-ESH-21  
**FROM:** David Ames, Sandia National Laboratories

**MEETING TITLE:** The 12<sup>th</sup> International Conference on Nuclear Criticality Safety (ICNC)

**MEETING LOCATION:** Sendai International Center, Miyagi, Japan

**MEETING DATES:** October 1-6, 2023

**ATTENDEES ON BEHALF OF NCSP:** David Ames and Brandon Aguirre

**MEETING PURPOSE:** Every four years the international nuclear criticality community gathers to discuss technical, operational, computational, and regulatory issues in the practice of nuclear criticality safety. The ICNC allows specialists from around the globe to come together to discuss, analyze, and study the latest developments in the area of nuclear criticality safety. This is a unique opportunity to exchange ideas with industry experts, leaders, colleagues, and peers.

**MEETING BENEFITS TO THE NCSP:**

Learning and discussing the latest research and findings in nuclear criticality experiments while networking with other experts in the field

**PURPOSE OF TRAVEL**

To attend ICNC and present material pertaining to critical benchmark experiments at Sandia.

**Persons Contacted at Sendia, Japan**

No planned/formal meetings with individuals, just impromptu conference topic discussions amongst ICNC attendees.

**Presentations, Chair Responsibilities, Etc.:**

Presentation: "Molybdenum Sleeve Experiments in the Sandia Critical Experiments Facility"

Presentation: "Experiments to Measure the Effect of Tantalum on Critical Systems"

**Distribution:**

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