



Oak Ridge National Laboratory
1 Bethel Valley Road
Oak Ridge, Tennessee 37830



Subject: Report on Foreign Travel to Paris, France

Date: 07/08/2022

To: Dr. Angela Chambers, Nuclear Criticality Safety Program Manager, National Nuclear Security Administration / NA-511

From: William Marshall

Meeting Title: WPNCS and Associaed Subgroup Meetings

Meeting Location: OECD Headquarters, Paris

Meeting Date: June 27 - July 1, 2022

Attendees on behalf of NCSP:

William Marshall, Doug Bowen, Kursat Bekar

Meeting Purpose:

Discuss on-going work within subgroups of WPNCS and have WPNCS meeting to coordinate activities among NCS experts from around the world.

Meeting Benefits to the NCSP:

Participation in WPNCS and associated subgroups allows software developers and users to maintain awareness of and participation in the latest developments related to modeling, simulation, validation, and analyses of criticality safety models. Leadership roles and participation in the groups also enhance the prestige of the NCSP and its laboratories on the international stage.

Purpose of Travel:

The purpose of the meetings was to exchange information on various on-going computational benchmark problems related to various aspects of modeling and simulation relevant to criticality safety, to discuss the creation of new subgroups to generate and study new problems, and to exchange information on various national programs on nuclear criticality safety. The benchmark problems discussed included spent fuel decay heat, heterogeneous and random media, bias assessment with correlated data, and spent fuel composition determination for radiochemical assay samples.

Persons Contacted at Meeting:

Julie-Fiona Martin, Catherine Percher, Aurelie Bardelay, Raphaelle Ichou, Volker Hannstein, Maik Stuke, Axel Hoeffler, Hany Abdel-Khalik, Dimitri Rochman, Alexander Vasiliev, Denis Mennerdahl, Michael Rising, Andrea Zoia, Paul Smith, Forrest Brown, Wilfried Monage, Fausto Malvagi, Satoshi Gunji, Marjan Kromar, Jesse Norris, Teodosi Simeonov, Oliver Buss, Andrew Holcomb

Presentations, Chair Responsibilities, Etc.

Bowen and Marshall are official US delegates to the WPNCS

Distribution:

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