



Feb 23, 2024

To: Visa Application Office

From: Dr. Yuji Arai  
CMS 2024 General Chairman

Subject:

Dr. Xiandong Liu

Affiliation: School of Earth Sciences and Engineering, Nanjing University  
163 Xianlin Avenue, Qixia District, Nanjing, Jiangsu Province, P. R. China

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To Whom It May Concern:

This letter is notification that Dr. Xiandong Liu has been invited to attend the 61st Annual Meeting of the Clay Minerals Society (CMS) and the 5th Asian Clay Conference. The meeting will be held at the University of Hawaii at Manoa, Honolulu, Hawaii, USA, from June 3 to 7, 2024. Because Dr. Liu needs to arrive a day before the meeting, we request Visa to be effective in June 2-7, 2024. More information about our meeting can be found on our meeting website <http://www.clayconferences.org>. This meeting will have both an in-person and virtual format. Dr. Liu's abstract entitled "Physical adsorption of OH-causes charging at mineral-water interface" has been accepted and is scheduled to be presented via in-person format at the meeting. He was invited by Dr. Christophe Tournassat, the technical session organizer of the session of scientific and engineering aspects of clays in nuclear waste disposal. Participation in the meeting includes attending sessions in your areas of interest, and an opportunity to communicate with others working in the field of clay sciences. The organizing committee is asking that a Visa be issued so that this author can attend the conference to present the paper.

This conference is in the public domain, unclassified and does not require special clearances to attend. If you have any questions or comments please contact the CMS Manager, Mary Gray, at e-mail: [cms@clays.org](mailto:cms@clays.org) or phone: 703-652-9960.

Sincerely,

Yuji Arai, Ph.D.

General Chairman of the 61<sup>st</sup> CMS Meeting and the 5<sup>th</sup> Asian Clay Conference  
University of Illinois at Urbana-Champaign  
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Urbana, IL 61801 USA  
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**Invited talk at the CMS meeting**

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时 间: 2023年12月19日(星期二) 下午4:59

收件人: xiandongliu<xiandongliu@nju.edu.cn>

Dear Xiandong,

With Jeffery Greathouse, Patricia Fox, Tsutomu Sato, and Satoru Suzuki, we organize a session related to Nuclear Waste Disposals at the CMS meeting in Hawaii, June 3-6, 2024 in Honolulu. We'd be delighted to have you as an invited speaker in this session. You'll find below the session description.

Let me know if you are interested.

All the best

Christophe

## **Scientific and engineering aspects of clays in nuclear waste disposal**

### **Organizers**

Jeffery Greathouse, Sandia National Laboratories, USA

Patricia Fox, Lawrence Berkeley National Laboratory, USA

Tsutomu Saito, Hokkaido University, JAPAN

Satoru Suzuki, Nuclear Waste Management Organization of JAPAN

Christophe Tournassat, Université d'Orléans, FRANCE

Clay minerals and clay-bearing rocks are essential components in many design concepts for deep geologic disposal of spent nuclear fuel. This session invites contributions from basic research to applied repository design. Topics can include (but are not limited to) the following:

Clay/shale host rock and engineered barrier systems

Natural or artificial analogues of clay barriers

Thermo-hydro-chemo-mechanical (THMC) properties

Heavy metal and radionuclide sorption and transport

Modeling across length and time scales, including artificial intelligence methods

Benchtop and underground research laboratory investigations