

Tuesday November 28th, 2023



Annual Conference 2023

***Advancing the Frontiers of Artificial
Intelligence: Exploring its
Potentials for Managing Information
in Science and Technology***



In an era of unprecedented data growth, international institutions face complex challenges in managing and disseminating scientific and technical information. This annual ICSTI conference explores the transformative impact of artificial intelligence (AI) on information management within international organizations, focusing on various AI models and their role in enhancing the discovery and analysis of information.

At the conference, distinguished speakers from institutions worldwide will share their insights, research, and best practices. Topics of discussion will include AI in document indexing, visualization, and publication.

If you have any trouble accessing the conference sessions please contact ICSTI's executive manager, Addie Cox (addie.cox@icsti.org).

ANNUAL CONFERENCE 2023

Advancing the Frontiers of Artificial Intelligence



PROGRAM

Tuesday, November 28th 2023

The conference is **FREE** to attend for both members and non-members. Non-members are invited to join ICSTI for the two workshop sessions. Members are invited to join both the workshops and the member-to-member session. The General Assembly Business Meeting is a closed meeting reserved for ICSTI member representatives and alternates.

Presenter and presentation topic details provided on the following pages.

WORKSHOP 1

9:00am UTC

[\(view in local time zone\)](#)

Workshop 1 will feature presentations around the conference theme from invited speakers as well as time for questions and discussion.

[Click here to register for the Zoom meeting](#) or use Meeting ID: 161 531 4983 and Passcode: 267357

GENERAL ASSEMBLY BUSINESS MEETING

11:15am UTC

[\(view in local time zone\)](#)

ICSTI member representatives will be briefed on ICSTI business before voting on various ICSTI matters. Due to sensitive agenda items, only representatives and alternates of full Class A and B ICSTI members may attend.

A separate invitation to register for this meeting was sent to all ICSTI member representatives and alternates. Please check your inbox for a registration confirmation email from Zoom. The Zoom confirmation email will be resent shortly before the business meeting begins.

MEMBER-TO-MEMBER SESSION

12:30pm UTC

[\(view in local time zone\)](#)

ICSTI members will share updates on recent and in-progress projects.

WORKSHOP 2

2:00pm UTC

[\(view in local time zone\)](#)

Workshop 2 will feature presentations around the conference theme from invited speakers as well as time for questions and discussion.

[Click here to register for the Zoom meeting](#) or use Meeting ID: 161 917 7700 and Passcode: 127367

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Advancing the Frontiers of Artificial Intelligence



WORKSHOP 1

Tuesday, November 28th 2023 - 9:00am UTC (60 minutes) **FREE TO ATTEND - OPEN TO ALL**

ICSTI's Information Trends and Opportunities Chair, **Margret Plank**, will moderate Workshop 1. Margret is Head of the Lab for Non-Textual Materials at [TIB – Leibniz Information Centre for Science and Technology](#).

[Click here to register for the Zoom meeting](#) or use Meeting ID: 161 531 4983 and Passcode: 267357



IAEA

Martina Levay

*Machine Learning
Specialist*

Neural Artificial-intelligence for Document Indexing and Analysis

In this presentation, Martina Levay delves into the transformative potential of AI in document management. Explore how cutting-edge technologies are revolutionizing document indexing and analysis. With information retrieval being more efficient than ever before, neural AI is reshaping the way we interact with and extract knowledge from repositories.



Professor Noriko Arai

*Professor,
Information Research Division
National Institute of Informatics*

Researchmap: an AI Powered Research Directory

In this presentation, Professor Noriko Arai of the National Institute of Informatics discusses Researchmap, a Japanese researcher's directory which is powered by AI. ICSTI member JST operates Researchmap, which registers 350,000 researchers and suggests results using AI.

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Advancing the Frontiers of Artificial Intelligence



Member to Member

Tuesday, November 28th 2023- 12:30pm UTC (60 minutes) **FREE TO ATTEND - FOR MEMBERS ONLY**

ICSTI's President, **Jan Brase**, will moderate the Member-to-Member session. Jan is Head of Research and Development at [SUB - Göttingen State and University Library](#).

[Click here to register for the Zoom meeting](#) or use Meeting ID: 161 358 1184 and Passcode: 956658



OSTI.GOV

Lorrie Johnson

Senior Advisor and Information Scientist
DOE Office of Scientific and Technical
Information / World Wide Science



Marcel Garcia de Souza

Coordinator of Applied Technologies
Brazilian Institute of Information in
Science and Technology



ETH zürich

Peter Kraker and Mahmoud Hemila

Open Knowledge Maps
ETH Zürich, Switzerland



Dominic Farace

Director
GreyNet International

US and DOE Public Access Policy and Support of Open Science

Lorrie Johnson will discuss public access policy and support of Open Science within the US federal government. She will delve into DOE's new Public Access Plan, which will make federal research results immediately and freely available to the public, ultimately fostering innovation and collaboration throughout the research landscape.

Title to be announced

Open Knowledge Maps: Improving Discovery with AI and Visualisation

Discover the cutting edge synergy of AI and visualization in knowledge discovery. Peter Kraker and Mahmoud Hemila explore the future of information exploration by making scholarly information more efficient and insightful.

A Snapshot from GreyNet's Silver Anniversary Conference

Dominic Farace shares results and insights from the Twenty-Fifth International Conference on Grey Literature in Amsterdam 'Confronting Climate Change with Trusted Grey Resources'.

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Advancing the Frontiers of Artificial Intelligence



WORKSHOP 2

Tuesday November 28th 2023 - 2:00pm UTC (60 minutes)

FREE TO ATTEND - OPEN TO ALL

ICSTI's Technical Activities Chair, **Brian Hitson**, will moderate Workshop 2. Brian is Director of the U.S. Department of Energy Office of Scientific and Technical Information (OSTI).

[Click here to register for the Zoom meeting](#) or use Meeting ID: 161 917 7700 and Passcode: 127367



Andrew Bostjancic

Taylor & Francis
Publishing
*Open Research Policy &
External Affairs Manager*

Transformative Trends : AI's Impact on Scholarly Communication

In this presentation, Andrew Bostjancic of Taylor and Francis publishing group will evaluate AI's impact on academic publishing. It will provide an overview of policies that Taylor and Francis is grappling with and their potential impact on the scholarly ecosystem.



Reyna Jenkyns

*Technology Office
Director*

Sourcing Data for Artificial Intelligence: Advancements to separate the ready from the rubbish at the World Data System

The World Data System (WDS), an affiliate member of the International Science Council, serves a membership of trusted data repositories and related organizations. The WDS mission is to enhance the capabilities, impact, and sustainability of our member data repositories and data services

In this presentation, we will first summarize and highlight outcomes of AI-related sessions during the recent International Data Week 2023 in Salzburg, Austria (co-organized by the WDS, the International Science Council's Committee on Data (CODATA), and the Research Data Alliance). Second, in recognition that the availability of machine-ready data is a limiting factor in AI applications, we will present emerging plans for a collaborative effort that the WDS-ITO is embarking on with the Earth Science Information Partners (ESIP). It is anticipated that the current state of AI readiness can be evaluated in detail by leveraging ESIP's recently published AI-readiness checklist which focuses on data documentation, access, preparation and quality, and by compiling assessments from WDS member repositories.