

June 13th-14th, 2024



Annual Conference 2024

***Leveraging Persistent Identifiers
for Responsible Innovation and
Open Science***



Persistent identifiers (PIDs) have emerged as indispensable tools in modern scholarly communication, enabling the unambiguous and persistent identification of digital objects such as datasets, publications, and researchers themselves. As the importance of PIDs continues to grow within the research community, this conference serves as a forum for exploring their multifaceted applications and implications in the scientific and technical information sphere.

The conference will feature two sessions of open workshops: "Open Science Use Cases, including PID and Machine-Readable Successes," and "Responsible Research and Innovation".

If you have any questions concerning this event or are interested in giving a presentation, please contact ICSTI's executive manager, Addie Cox (addie.cox@icsti.org).

ANNUAL CONFERENCE 2024

Leveraging Persistent Identifiers for Responsible Innovation and Open Science



PROGRAM

June 13th-14th, 2024

This conference will be co-located with PIDFest at the National Library of Technology in Prague, Czechia. Non-members are invited to join ICSTI for the two FREE workshop sessions on June 14th. 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.

GENERAL ASSEMBLY BUSINESS MEETING

*Education Center
2:00pm CET*

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.

MEMBER-TO-MEMBER SESSION

*Education Center
4:00pm CET*

ICSTI members will share updates on recent and in-progress projects occurring at their respective organizations.

WORKSHOP 1

*Education Center
9:00am CET*

Workshop 1: Open Science Use Cases, including PID and Machine-Readable Successes. This workshop will highlight real-world use cases enabling open science, including making research outputs more discoverable, interconnected, and usable through the linking and use of persistent identifiers (PIDs); machine readable/actionable examples, including any innovations and challenges encountered; and new/emerging PIDs and related use cases.

WORKSHOP 2

*Education Center
1:00pm CET*

Workshop 2: Responsible Research and Innovation. This workshop focuses on promoting the active engagement of science and technology actors in collaborative research and science processes. We emphasize the role of science and innovation in addressing global societal challenges by making them more socially responsible. At this workshop, we will explore frameworks, methods and tools for integrating ethical and social aspects into research and innovation.

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**Member to
Member**

Thursday, June 13th **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**.

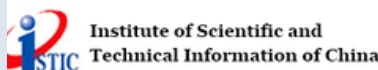


Ritsuko Nakajima

Director of the Department for
Information Infrastructure
Japan Science and Technology
Agency

Introduction of JST Information Services and the Future of the Institutional Information Division

JST is a funding agency as well as a science and technology information service provider. Historically, JST's main service was introducing foreign literature into Japan in Japanese. It has since expanded its services to provide and analyze not only literature but also a variety of academic information in combination, launched services to support the digitization of academic activities such as e-journals and PIDs, and now provides both hard-support and research activities centered on open science. In the presentation, speakers will introduce the overview of current JST information services, and we expect to share and discuss the current challenges and the future of the information service divisions.



Dr. Yang Yan

Professor
Institute of Scientific and
Technical Information of China

Introduction of ISTIC Information Services during the Big Data and AI Era

ISTIC mainly provides comprehensive information services for different users, and provides decision-making support for administrative departments. In the big data and AI Era, there are three pillars—Construction of the National Science and Technology Resource Big Data Center, Construction of the National-level International Think Tank of Innovative Strategy, Construction of the National Engineering Center of Science and Technology Information. These enable ISTIC to conduct knowledge-oriented data organization, set up characteristic databases closely related to various sectors, and provide research services themed with big-data for different industries and sectors.



**Dr. Kou Yuantao
and Zhang Jie**

Agricultural Information
Institute of CAAS

The Construction of National Agriculture Advanced Platform for Sci-tech Information and Communication in CAAS

In this presentation, Kou Yuantao and Zhang Jie will introduce the construction background and target position of the National Agriculture Advanced Platform for Sci-tech Information and Communication. They will also share the overall framework of this advanced platform and the latest progress of related construction and research achievements.

OSTI.GOV

Dr. Carly Robinson

OSTI Assistant Director
Office of Scientific and
Technical Information

US Government PID Policies and DOE OSTI PID Services

The US Department of Energy's Office of Scientific and Technical Information (DOE OSTI) has been collecting, assigning, and using persistent identifiers (PIDs) since 2007. OSTI has developed PID services to support our communities and mission of collecting, preserving, and disseminating DOE-funded R&D outputs. New US government policies include expectations around persistent identifiers for people, organizations, awards, and R&D outputs. OSTI's PID service will help DOE implement these new policies.

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WORKSHOP 1

Friday, June 14th 2024 - 9:00am CET **FREE TO ATTEND - OPEN TO ALL**

Open Science Use Cases, including PID and Machine-Readable Successes

ICSTI's Technical Activities Chair, **Brian Hitson**, will moderate Workshop 1. Brian is Director of the **U.S. Department of Energy Office of Scientific and Technical Information (OSTI)**.



Matthias Liffers and Prof. Shawn Ross
Australia Research Data Commons



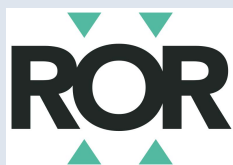
Sarala Wimalaratne
DataCite



Dr. Tibor Kalman
ePIC (GWWDG)



Dr. Hideaki Takeda
Information Research
Division National Institute of Informatics



**Maria Gould
Adam Buttrick**

Research Organization Registry

RAiD - A global system to identify, discover, track, and administer Research Projects

The ARDC is leading development of RAiD - the research activity identifier - as the Registration Authority of ISO 23527:2022. A RAiD identifies a project or activity and a RAiD record provides a window into projects, by collecting key information about the project itself and its associations with stakeholders, infrastructure, resources, outputs and products. Seamless access to accurate, comprehensive, and trustworthy information supports collaborations, reduces administrative burden, and simplifies the sharing and analysis of project activities and outcomes.

DataCite's role in facilitating research connectivity and discovery

The session will provide insight into the public discovery service, DataCite Commons which serves as a platform for the wider community to explore the interconnected nature of the scholarly ecosystem captured within DataCite. This service enables users to discover research outputs and resources, individuals, organizations, and repositories, along with their associated connections, facilitating seamless search and exploration. DataCite would like to further explore future possibilities and understand potential new use cases for extending their services.

A consortium for Persistent Identifiers (PIDs) - ePIC

The ePIC initiative provides a robust infrastructure for registering and resolving PIDs to the broader research community. The primary objective of ePIC is to establish and maintain highly reliable, persistent, and highly performant services for PIDs. This is achieved through a network of major data centers that share the same service, a common API, and have implemented a redundancy scheme. This presentation highlights generic and community-specific use cases. It will showcase several added value services provided by ePIC that address the changing needs of the broader research community and highlight how ePIC operates and point out the most valuable objectives of the collaboration among the ePIC stakeholders, its governance structure, responsibilities, and commitments of the involved parties.

Scholarly PIDs in Japan - The current and the future directions

In this talk, Prof. Hideaki will summarize the current situation of how PIDs are recognized and used in Japan, and then discuss the future directions. The scholarly communication system in Japan has developed relatively interdependently from the world. National Institute of Informatics (NII) and Japan Science and Technology Agency (JST) are the main contributors backed by the government. PIDs have been beneficial to the scholarly organizations and researchers in Japan since the services are customized to the scholarly environment in Japan but it is now demanded that the systems would be harmonized more with the international activities such as PIDs.

Opening science with open organization identifiers: An introduction to the Research Organization Registry (ROR)

The Research Organization Registry (ROR) is an open data source of persistent identifiers for organizations involved in producing, supporting, and disseminating research. ROR IDs are being used widely across the global research landscape to disambiguate institutional names, normalize institutional data, and enable connections between organizations, researchers, research outputs, and related activities. This session will cover the basics of ROR, focusing on how registry data is curated and maintained, how to work with the ROR API and related tools, and how and where ROR is being used and implemented in various systems to identify, track, and connect research outputs.

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WORKSHOP 2

Friday, June 14th 2024 - 1:00pm CET **FREE TO ATTEND - OPEN TO ALL**

Responsible Research and Innovation

ICSTI's Information Trends and Opportunities Chair, **Margret Plank**, will moderate Workshop 2. Margret is Head of the Lab for Non-Textual Materials at **TIB - Leibniz Information Centre for Science and Technology**.

To support the open innovation in China: To Establish the PubScholar for Public

"PubScholar" (Public Academic Scholar Platform) is a platform built by the CAS (Chinese Academy of Science) to provide services including academic resource retrieval, content acquisition, exchange and sharing for the science and technology community and the whole society. After its official release on November 1, 2023, the platform attracts over 10 million daily visits on average. It was reported by CCTV and CAS as headlines. "The construction and release of the platform shows that the CAS, as the "national team", is fulfilling its responsibility for the guarantee of academic resources", highly praised by the scientific and technical communities and the public as well.

Responsible Research in Health

Artificial intelligence (AI) techniques hold great promise to improve diagnosis and treatment in healthcare. It is crucial to provide healthcare professionals with reliable clinical practice guidelines, detailed information on patients, and semantic connections with the above guidelines and patient's conditions in the clinical scenario. CAMS proposed a system CIG Builder to provide a user-friendly authoring environment for generating executable and reusable knowledge rules from clinical guidelines. In the use case, Dr. Jiao Li will present its application in diabetes clinical guideline application, including human-machine cooperation knowledge processing, clinical entity identification, clinical path generation, and clinical rule base sharing.

The Finnish Approach to Implementing FAIR and Open Science Across Domains

While the Finnish comprehensive Open Science Framework might seem centralised or top-down at a first glance, it is actually based on a broad collaboration and co-creation model that has successfully produced many policy documents as well as practical guidelines regarding implementation of Open Access and the FAIR principles. This year marked the culmination of a significant endeavor with the publication of a comprehensive Open Science and Research Reference Architecture. More than 300 experts participated in analysing and describing the regulative and strategic landscape, the actors and roles, the needed capabilities as well as the services needed to realise the vision of the national Open Science Declaration. This presentation will cover the landscape and methodologies employed. The Finnish approach has enabled a way of co-creating shared solutions for efficient research data governance across domains and can hopefully serve as inspiration and an open resource.

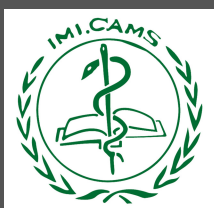
Bridging Science, Society, and Ethics: Examining Responsible Research and Innovation in the Turkish Young Academy

This address will examine the integration of Responsible Research and Innovation (RRI) within the Turkish Young Academy, employing analytical methods. It will evaluate the institution's evolution since 2001 and initiatives by its parent, TÜBA. RRI principles, prominent in the European 2020 Strategy and Horizon 2020, stress responsibility, cooperation, and ethical integration in research and innovation. The Academy serves as a nexus for the convergence of science, society, and ethics, thereby fostering inclusive research. TÜBA's participation in global platforms is indicative of its commitment to RRI. The Academy's initiatives, including workshops, promote responsible innovation. Efforts to advocate open-access publications signify a commitment to ethical integration.



Xiwen Liu

National Science Library
of CAS



Dr. Jiao Li

CAMS Institute of
Medical Information



**Jessica Parland-
von Essen**

Development Manager
CSC-IT Center for Science



Dr. Mürsel Doğrul
TÜBA