

ORCID & Major Facilities

CI4MF 2024, Long Beach, California
January 17, 2024



Shawna Sadler, MSc LIS
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Engagement Manager Outreach & Partnerships

 <https://orcid.org/0000-0002-6103-5034>

Open Researcher and Contributor Identifier, provides three main services



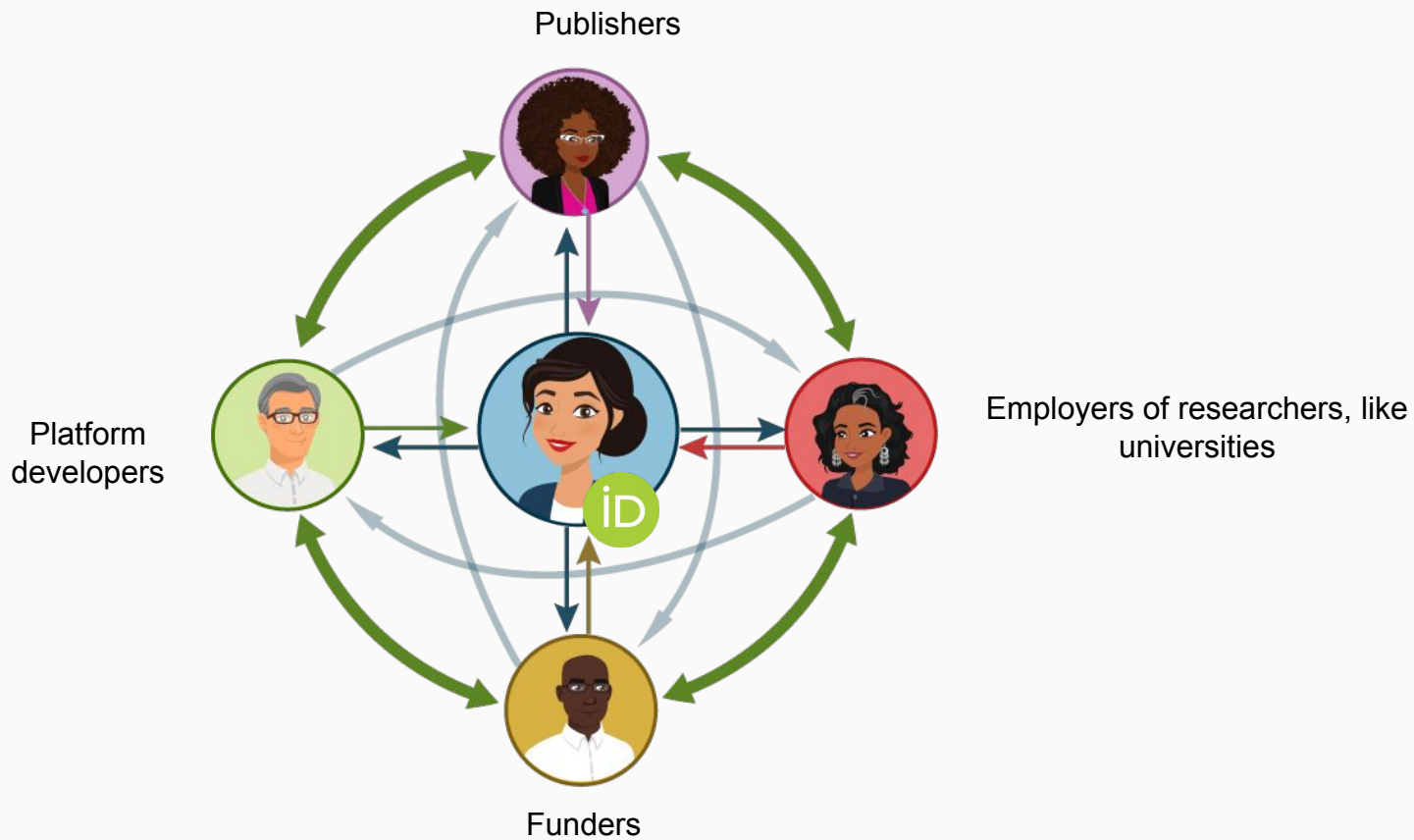
1. The ORCID iD
A unique, persistent identifier free of charge to researchers
<https://orcid.org/0000-0002-6103-5034>



2. An ORCID record/profile
Connected to the ORCID iD, that can include employment, education and research output metadata



3. Application Programming Interfaces (APIs)
To enable the data exchange between ORCID records and member organizations





[https://orcid.org/
0000-0002-6103-5034](https://orcid.org/0000-0002-6103-5034)

Other IDs >

ResearcherID: A-2576-2016
Scopus Author ID: 18134558900
JRIN: 100059.400.200.182.0000-0002-6103-5034

Countries >

Canada, Australia, United States

Is this you? [Sign in to start editing](#)

Printable version

Name

Shawna Sadler

Also known as
S. Sadler, Sh. Sadler >

Biography

Shawna heads up Outreach & Partnerships at ORCID, building strategic relationships worldwide and exploring new opportunities for adoption and growth. Previously, Shawna was ORCID's Engagement Manager for the Americas continuing the adoption and integration of ORCID in North, Central and South America and the Caribbean. Shawna joined ORCID in 2019 with a long history of connecting researchers to innovative technologies in Canada, Australia and the United States.

Activities

[Collapse all](#)

▼ Employment (9)

ORCID: Bethesda, US

2021-04-01 to present | Engagement Manager, Outreach & Partnerships (Engagement)
Employment [Show more detail](#)

Source: ORCID via ORCID Member Portal

ORCID: Bethesda, US

2019-05-21 to 2021-03-31 | Engagement Manager, Americas and Caribbean (Engagement)
Employment [Show more detail](#)

Source: ORCID via ORCID Member Portal

Sadler Studio: Calgary, Alberta, CA

2016-04 to 2019-05 | Director
Employment [Show more detail](#)

Source: Shawna Sadler

Deakin University - Geelong Waterfront Campus: Geelong, VIC, AU





[https://orcid.org/
0000-0001-5106-503X](https://orcid.org/0000-0001-5106-503X)

Websites & social links >

Group website

Is this you? [Sign in to start editing](#)

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Name
Ewa Deelman

[Collapse all](#)

Activities

Employment (1)

Sort

University of Southern California: Marina del Rey, CA, California, US

2000-10-01 to present (Information Sciences Institute)
Employment

[Show more detail](#)

Source: Ewa Deelman

Works (24)

Sort

Elephants Sharing the Highway: Studying TCP Fairness in Large Transfers over High Throughput Links

2023-11-12 | Conference paper
DOI: [10.1145/3624062.3624594](https://doi.org/10.1145/3624062.3624594)

[Show more detail](#)

CONTRIBUTORS: Imtiaz Mahmud; George Papadimitriou; Cong Wang; Mariam Kiran; Anirban Mandal; Ewa Deelman

Source: Crossref

Graph neural networks for detecting anomalies in scientific workflows

The International Journal of High Performance Computing Applications
2023-07 | Journal article
DOI: [10.1177/10943420231172140](https://doi.org/10.1177/10943420231172140)

[Show more detail](#)

CONTRIBUTORS: Hongwei jin; Krishnan Raghavan; George Papadimitriou; Cong Wang; Anirban Mandal; Mariam Kiran; Ewa Deelman; Prasanna Balaprakash

Source: Crossref



7 Sections of an ORCID record

- ▼ **Employment** (2)  Sort
- ▼ **Education and qualifications** (4)  Sort
- ▼ **Professional activities** (5)  Sort
- ▼ **Funding** (1)  Sort
- ▼ **Research resources** (2)  Sort
- ▼ **Works** (7)  Sort
- ▼ **Peer review** (2 reviews for 2 publications/grants)  Sort

Neutron Beam Award at Spallation Neutron Source (SNS)

Oak Ridge National Laboratory (Oak Ridge, TN, US)
2021-07-01 to 2021-12-31
SOURCE-WORK-ID: IPTS-27170, IPTS-27284

[Show less detail](#)

Oak Ridge National Laboratory (Oak Ridge, TN, US)

Organization identifiers

RINGGOLD: 6146

Oak Ridge National Laboratory: Oak Ridge, TN, US

Other organization identifiers provided by RINGGOLD

ISNI: [0000000404462659](https://orcid.org/0000000404462659)

OFR: <http://dx.doi.org/10.13039/100006228>

URL

<https://neutrons.ornl.gov>

Added


2022-01-10

Last modified

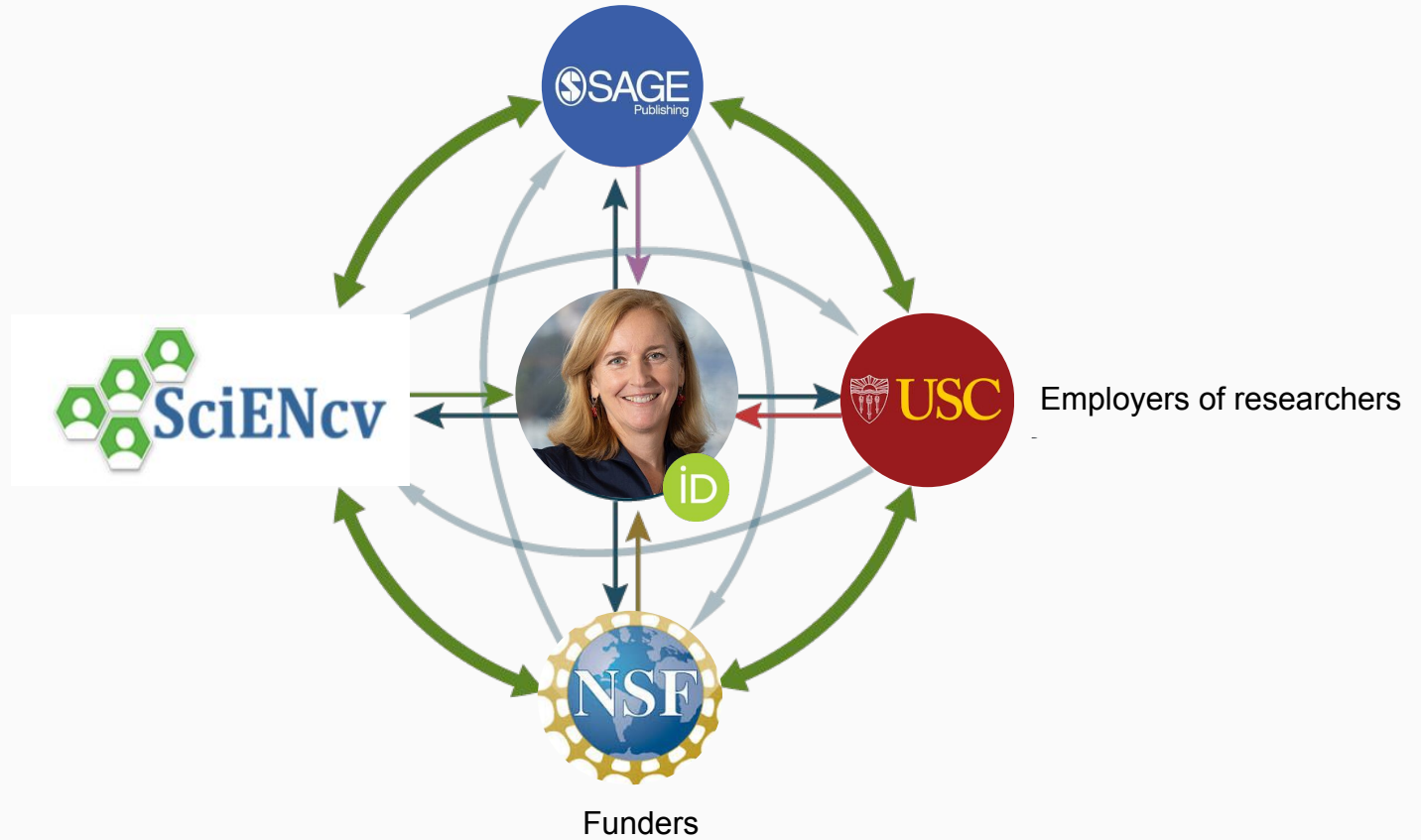
2022-01-10

● EQUIPMENT CORELLI, HYSPEC, POWGEN

[Show more detail](#)

Source:  Oak Ridge National Laboratory

Publishers



Funders

The adoption of PIDs has begun globally...

Recommendations for PID adoption: G7, G20 & UNESCO



G7 Science and Technology Ministers' Communique

Sendai, May 12-14, 2023

We, the G7 Science and Technology Ministers, affirm our commitment to the shared values of democracy, rule of law, openness, and respect for freedom and human rights, as well as the importance of diversity, equity, inclusion, and accessibility, including gender equality, in research and development (R&D).

G7 Science Communique,

https://www8.cao.go.jp/cstp/kokusaiteki/g7_2023/230513_g7_communique.pdf



वसुधैव कुटुम्बकम्

ONE EARTH • ONE FAMILY • ONE FUTURE

SCIENCE20 – G20 SCIENCE ACADEMIES SUMMIT

Transformative Science for Sustainable Development

COMMUNIQUE

Coimbatore, Tamil Nadu
21-22 July, 2023

G20 report,

https://www.g20.org/content/dam/gtventy/gtventy_new/document/Science_20_communique.pdf



UNESCO Recommendation
on Open Science

UNESCO report,

<https://unesdoc.unesco.org/ark:/48223/pf0000379949>

Research Security

Presidential Memorandums

1. NSPM-33, 2021
2. NSPM-33 Guidance, 2022

Key points

- Clearly identify senior/key personnel
- Senior/key personnel must disclose their affiliations

System updates

- SciENcv & ORCID
 - Common forms integrate with ORCID
 - BioSketch
 - Current & Pending (Other) Support



Public Access & Research Integrity

OSTP Memorandum

1. Public Access
 - a. Ensuring Free, Immediate, and Equitable Access to Federally Funded Research
2. Research Integrity
 - a. Ensuring elements of scientific and research integrity are in place

Key points

- all author and co-author names, affiliations, and sources of funding, referencing digital persistent identifiers

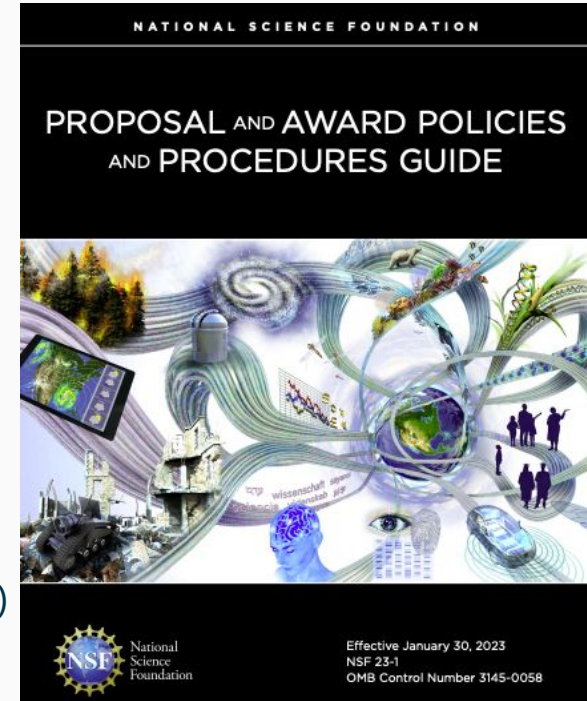
System updates

- tbd

ORCID & Research Security

Key points

- Researchers to be identified by an identifier (ORCID iD)
 - Many researchers share a name
- The ORCID profile allows researchers to disclose their affiliations
 - Publicly or to Trusted Organizations
- Technical infrastructure allows forms to be auto-populated
 - Reduces the administrative burden on researchers (and staff)
- ORCID named as the identifier for researchers in NSF PAPPG



ORCID & Public Access Memo

Key points

- Authors and Co-authors to be identified by an identifier (ORCID iD)
 - Credit the right people for the work
- People reading the work can clearly identify the authors, and review their ORCID profile
 - Helps build trust and transparency in science

“That persistent identifiers, or PIDs, and other critical metadata associated with peer-reviewed publications and data resulting from NSF-funded research will be collected and made publicly available in NSF-PAR.”

NSF Public Access Plan 2.0



Using PIDs to Understand Impact

Impact of Persistent Identifiers

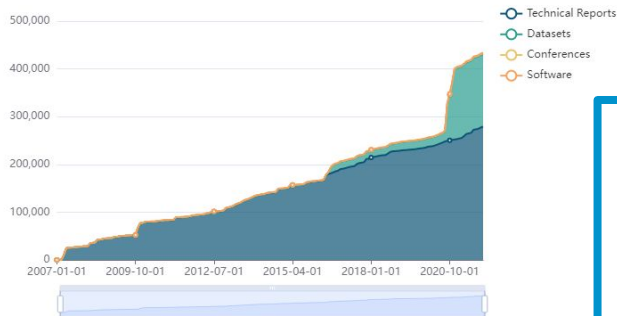
The persistent identification of digital entities (e.g., research outputs, people, funders, awards, etc.) can increase discoverability of research, alleviating data validation issues, and reducing researcher burden.

By increasing discoverability of research-related objects, user communities can track their research over time and develop programmatic methods for finding, reproducing, and reusing research. PIDs are an essential component to developing mechanisms for human-machine interoperability, which helps promote improved citation and reference tracking.

PIDs are not just for journal articles and datasets. DOE OSTI collects DOIs for many different research product types (e.g. conference papers, conference proceedings, journal articles, etc.). And OSTI's [DOI Services](#) provide DOI assignment and registration for technical reports, conference posters and presentations, data, and software.

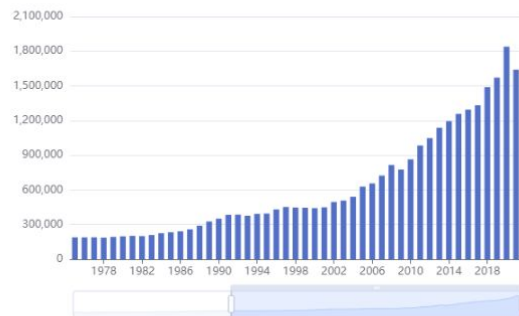
Since 2007, more than 400k DOIs have been registered by OSTI on behalf of the DOE community for texts, data, and software. More than 1.6M of the records in OSTI.GOV can be referenced with a DOI.

Total DOI Registration by Type



To date, more than 260k records in OSTI.GOV have been submitted or curated with related identifiers that identify specific types of relationships with other research products.

Citations of OSTI Records in Scientific / Scholarly Publications



Citations by Field (All Years)

30,805,905 citations

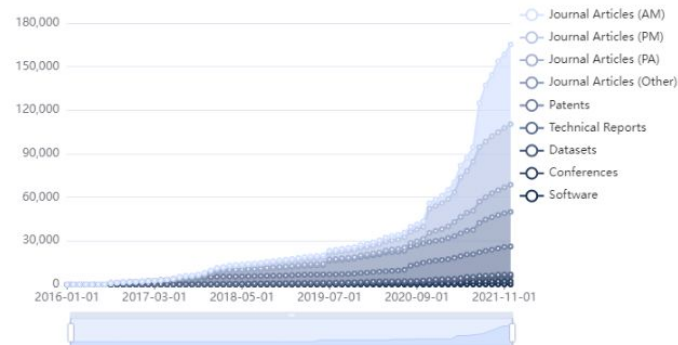


All Fields

Interact with the bar chart by hovering on or clicking on a year. To see the total number of citations for a given year, hover over the year. Clicking on a specific year will refresh the tree map of citations by field, showing the top seven (7) fields by citation volume for that year.

Interact with the tree map by hovering over a topic to see the number of citations by field; clicking on a field will drill into subfields, hovering over a subfield will display the

R&D Results with Related Identifiers by Type





Questions?

Thank you!

