What is ORCID and Why is it Relevant for Editors?

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Name Ambiguity is a Global Problem

Virtually all countries have their unique “common name” problems
Johannson
Rodriguez
Müller

John Richard Wilson
Wilson, John Richard
John R. Wilson
Wilson, John R.
J.R. Wilson
John Wilson
Wilson, John
J. Wilson
Wilson, J.
What’s the Problem for Authors?

How do I get credit for my work?

Current literature searches lump together all the papers appearing under identical names.

Disambiguation software can help find out who wrote what. But an author’s work is often broken up into multiple groups, for instance, because they changed jobs. And papers published under misspelled or former names aren’t found.

A number identification system could help find all the papers written by an author, independent of changes in fields, affiliations, or name. It could also help keep contact information up-to-date.

CREDIT: J. NEWFIELD/SCIENCE
What’s the Problem for Editors?

“I see ambiguous authors…
they’re everywhere…
they walk around like everyone else…
and they don’t even know they’re ambiguous”
What will ORCID Do?

ORCID will work to support the creation of a permanent, clear and unambiguous record of scholarly communication by enabling reliable attribution of authors and contributors.
Primary Use Cases

Researcher

- Joins student body

Why?

- Helps Scholars expose output

- Helps Grantees perform research assessment

- Helps Editors
  - Assess contributors
  - Link with profiles
  - Select reviewers
How Will ORCID Work with Editorial Systems?

Start Here

ORCID<->DOI pairings submitted to ORCID

Researcher Profile Updated

Researcher/Organization Registers

Author - ORCID – Editor Interaction

Metadata, along with ORCID deposited to CrossRef

ORCID passed to manuscript submission system

Content Published

Manuscript processed

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10 Principles (abridged)

1) ORCID will work to support the creation of a permanent, clear and unambiguous record of scholarly communication by enabling reliable attribution of authors and contributors

2) Transcend discipline, geographic, national and institutional, boundaries

3) Open to any organization in scholarly communications

4) Transparent access and non-discriminatory terms

5) Researchers create, edit, and maintain an ORCID ID and profile free of charge
10 Principles (abridged)

6) Researchers control privacy settings
7) Profile data contributed to ORCID by researchers will be available annually for free under the CC0 waiver
8) Software developed by ORCID will be publicly released under an Open Source Software license
9) ORCID identifiers and profile data will be made available via a combination of “no charge” and “for a fee” APIs and services
10) ORCID will be governed by representatives from a broad cross-section of stakeholders, the majority of whom are not-for-profit
250+ Participants
Newest Participants (Jun-Aug 2011)
ORCID is open to any organization with an interest in scholarly communication.
ORCID transcends discipline, geographic, national and institutional boundaries

250 participating organizations as of 1 August 2011
Accomplishments in 2010

Feb
Build Sandbox

March
Alpha Prototyping

April
ORCID Members
Demonstration and
Alpha Testing

May
Organization
Creation

June
Wellcome /MIT
Survey

July
Principles/Scope Defined

Aug
Alpha Testing

Sept
Profile Exchange
Research & Development

Oct

Nov

Dec

Milestones and Goals 2011-12


Profile Exchange Research & Development

Build Phase 1 - Semantico

Start Registering ORCIDs

Build Phase 2

Sponsorship Drive 1
$244K

VIVO Technology Research

Sponsorship Drive 2
$1.2 million Committed

Mellon Market & Business Model Research

Hire Staff

Start Collecting Fees

Profile Exchange Research & Development
Scope (ORCID phase 1 system)

ORCID will build a central registry of unique identifiers for researchers and scholars with the following scope:

– ORCID will focus on currently active researchers
– Data will come from individuals and organizations
– ORCID will be a hybrid system of self- and organization-asserted identity
– Data collected will be those needed for disambiguation
  - extra data for optionally creating full CV-like profiles might be added in the future
– System will provide basic matching and disambiguation of names
– ORCID system will, from the start, enable 3rd parties to build value added services using ORCID infrastructure
– ORCID services will be developed based on the needs of the ORCID community
Researchers will be able to create and maintain an ORCID ID and profile free of charge, and will control their privacy settings.
Self-asserted + socially-validated + organizationally-asserted identity = more credible assertion
ORCID will interact with other scholarly author identification systems.
ORCID will Bridge with Other Researcher ID Initiatives

  - standalone service (Physics)
  - Cornell is an ORCID participant and board member **Contributor ID** ([CrossRef](http://www.crossref.org/CrossTech/2009/02/an_interview_about_author_ids.html))
  - prototype concept project of CrossRef whose learnings have been rolled into ORCID (general science)
  - CrossRef is an ORCID participant and board member

- **Digital Author Identifier (DAI)**
  - a new one! Not affiliated with ORCID

- **International Standard Name Identifier (ISNI)** ([http://www.isni.org](http://www.isni.org))
  - separate initiative started by RROs for RROs. Identifies everything including fictional names and names of things (think boats)
  - Supported by Proquest/Bowker
  - ORCID is trying to find a way to engage with ISNI in a mutually beneficial way

- **Lattes** ([http://lattes.cnpq.br/english](http://lattes.cnpq.br/english))
  - Used by Brazilian MCT [Science and Technology Ministry], FINEP [Projects and Studies Financing], CAPES/MEC [Personal Improvement Coordination/Ministry of Education], and all institutional actors, such as the Brazilian scientific community, as a curricular information system. (Brazilian Government)
  - evaluation of competences of candidates to scholarships and/or research support
  - selection of consultants, members of committees and advising groups
  - VIVO participant and in discussions with ORCID

- **Names Project** ([http://names.mimas.ac.uk](http://names.mimas.ac.uk))
  - standalone not-for-profit project backed by JISC (UK government)
  - JISC is an ORCID participant and Technical Working Group member

- **VIVO** ([http://www.vivo.org](http://www.vivo.org))
  - NIH funded national network of scientists run by institutions. (Biomedicine)
  - VIVO software installed locally and provides semantic web-compliant date into network
  - ORCID participant and funder
What Makes ORCID Relevant for Editors?

- ORCID is the only researcher identifier that is not limited to discipline, institution or geographic area
- It is the only not-for-profit contributor identifier initiative dedicated to an open and global service focused on scholarly communication
- ORCID is backed by a non-profit organization with over 250 participants behind it
- ORCID is backed by stakeholders from all segments of scholarly communications
- Publishers are an important ORCID stakeholder but are just one part
- ORCID is serious about building an open system
- ORCID can bridge existing silos (big and small) by registering the identifiers of all other relevant standalone services
Come Join Us

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Join us at www.orcid.org
Follow us on Twitter @orcid
Technical Appendix
Phase 1 Disambiguation Concept

ROOT
ORCID

TLP
Brown University
ORG-ASSERTED
Josiah Carberry

TLP
MIT
ORG-ASSERTED
Noam Chomsky

ORG-ASSERTED
Cynthia Breazeal

SELF-ASSERTED
Josiah Carberry

ORG-ASSERTED
Josiah Carberry
name: Josiah Carberry
title: Assistant Professor
dep: Psychoceramics

same_as

SELF-ASSERTED
Josiah Carberry
name: Josiah Carberry
title: Assistant Professor
dep: Psychoceramics
Assertion Collection Concept

Trusted Linking Partners

Organizationally-Asserted Claim Sources

TLP-1  TLP-2  TLP-N

Claim Store

Self-Claim system
More Assertions = More Credibility