

ORCID-HUBZERO INTEGRATION

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HUBZERO

PLATFORM FOR SCIENTIFIC COLLABORATION

- HUBzero, open source software: <http://hubzero.org>
- Originally funded by NSF, maintained by HUBzero Foundation
- Built to facilitate virtual communities and online, scientific collaboration, research and learning
- Collaborate, develop, publish, archive, and interact with software tools, datasets, documents, multimedia, learning objects, etc.
- Social network functionality and collaboration features
- LAMP stack, Joomla framework, OpenVZ and Rappture, git, etc.
- EZID interface to mint DataCite DOIs
- Over 50 hubs online, supporting different virtual scientific communities, hundreds of thousands of users

SOME EXAMPLES OF HUBZERO

SUPPORTING DIFFERENT VIRTUAL COMMUNITIES OF RESEARCHERS

- nanoHUB, <https://nanohub.org>
- Purdue University Research Repository, <https://purr.purdue.edu>
- Human-Animal Bond Research Institute, <http://www.habricentral.org>
- Network for Earthquake Engineering Simulation (NEES), <http://nees.org>
- Pharmaceutical product development and manufacturing, <http://pharmahub.org>
- Transforming STEM Education, <http://STEMedhub.org>
- Instant access to high-throughput computing, <http://diagrid.org>
- Drought Research Initiative Network, <http://drinet.hubzero.org>
- Collaborative volcano research and risk mitigation, <http://vhub.org>
- Clinical and translational research in healthcare, <http://indianactsi.org>
- Cancer care engineering, <http://ccehub.org>
- Global engineering education, <http://globalhub.org>
- Energy from biomass, <http://c3bio.org>

REPOSITORY WORKFLOWS

HUBZERO-ORCID INTEGRATION

Three simple use cases:

1. New user registration

User creates hub account & creates/associates ORCID identifier

2. Edit and link user profile to ORCID

Link between hub user dashboard and ORCID

3. User publishes a dataset

ORCID identifier is included in DOI metadata to DataCite

Use case 1:

New user registration

Collaborate on Research

Any Purdue faculty member, graduate student, or staff can create a project in PURR, which provides a set of tools and data storage to support research and collaboration. Invite collaborators from other institutions to join your project!

[Learn More](#)



Start Your Research Project



Create a Data Management Plan

Learn about the detailed requirements for your data management plan (DMP). Funding agency requirements are very specific and our DMP resources can help you to clear up any confusion. [Get Started](#) »



Upload Research Data to Your Project

Create a project to upload and share your data with collaborators using our step-by-step form to guide you through the process. Invite collaborators from other institutions to join your project. [Create a Project](#) »



Publish your Dataset

Package, describe, and publish your dataset with a Datacite DOI. Publishing will ensure your dataset is citable, reusable, and archived for the long-term. [See Published Datasets](#) »

Featured Dataset

**Title: mkaip Testing
2014-01-13 #3**

By Mark Leighton Fisher



Synopsis: mkaip Testing 2014-01-13 #3

Do you have a question?

Chat with Us

Send us your email question.

You are here: Register

Create New Account

Login Information

User Login: **REQUIRED**

User login name is available

Combination of lowercase letters and numbers. No spaces or punctuation.

Password:

STRONG

Confirm Password:

- Must contain at least 1 letter
- Must contain at least 1 number or punctuation mark
- Must be no longer than 16 characters

Usernames cannot be changed. If this poses a serious problem or raises concerns please contact our [support](#).

Password may be changed any time after account creation.

Contact Information

First Name: **REQUIRED**

Middle Name:

Last Name: **REQUIRED**

Valid E-mail: **REQUIRED**

Confirm E-mail: **REQUIRED**

Important! You must confirm receipt of confirmation e-mail from webmaster@pur-dev.lib.purdue.edu in order to complete registration.

Once you create an account, you will be sent an email containing an activation link.

We respect your privacy, and will never disclose your sensitive information to others.

Human Check



Letters not clear?
Click to renew CAPTCHA.

Please enter the following characters you see into the textbox below.

Terms & Conditions

REQUIRED Yes, I have read and agree to the [Terms of Use](#).

Create Account

You are here: Register

Create New Account

Login Information

User Login: **REQUIRED**

johnsmith

User login name is a

Password:

SYDOWS

• Must contain

• Must contain

• Must be no

Contact Information

First Name: **REQUIRED**

John

Valid E-mail: **REQUIRED**

john.smith@mail

▲ Important: You must confirm your order to complete

Human Check

Please enter the

mzg7q

Terms & Conditions

REQUIRED Yes I agree to the

Create Account

Associate your ORCID (Open Researcher and Contributor ID)

To include your ORCID in your profile:

- **Search for an existing ORCID**
If you have created an ORCID in the past or your institution has generated one for you, all you have to do is fill in the fields below and search for your unique ID from the list.
- **Create a new ORCID**
If you can't find your ID or would like to create a new one, just click on the "Create new ORCID" button below to generate a new ORCID based on the info in your profile. You will then receive an email from ORCID to claim the generated ORCID.

Search ORCID

Please fill in any of the following fields:

First name:

Last name:

Search ORCID

John Smith	Associate this ORCID
john smith	Associate this ORCID
John Smith	Associate this ORCID
John Smith	Associate this ORCID
John Smith,Smith	Associate this ORCID

Create new ORCID



... cannot be changed. If this poses a serious problem or concerns please contact our support.

... may be changed any time after account creation.

... to create an account, you will be sent an email containing an activation link.

... protect your privacy, and will never disclose your sensitive information to others.

Create New Account

✓ Your account has been created successfully.

A confirmation email has been sent to 'john.smith@mailinator.com'. You must click the link in that email to activate your account and resume using PURR-DEV.



Dashboard

Profile

Account

Contributions

Groups

Usage

Favorites

Resume

Blog

Projects

John Smith Profile

PROFILE COMPLETENESS 00%

Name	John Smith	EDIT
ORCID	0000-0002-8116-1839	EDIT
Organization	Enter your Organization	EDIT
Employment Status	Enter your Employment Status	EDIT
E-mail	john.smith@mailinator.com	EDIT
Web Site	Enter your Website	EDIT
Telephone	Enter your Phone Number	EDIT
Address(s)	Enter an Address	EDIT
Biography	Enter your Biography	EDIT

Use case 2:

Link & edit ORCID from user
dashboard



Dashboard

Profile

Account

Contributions

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Resume

Blog

Projects

John Smith ▶ Profile

PROFILE COMPLETENESS 26%

Name	John Smith	EDIT
ORCID	Enter your ORCID.	EDIT
Organization	Enter your Organization.	EDIT
Employment Status	Enter your Employment Status.	EDIT
E-mail	john.smith@mailinator.com	EDIT
Web Site	Enter your Website.	EDIT
Telephone	Enter your Phone Number.	EDIT
Address(s)	Enter an Address.	EDIT
Biography	Enter your Biography.	EDIT



Dashboard

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Projects

John Smith

Name

ORCID

Organization

Employment Stat

E-mail

Web Site

Telephone

Address(s)

Biography

PROFILE COMPLETENESS 25%

Associate your ORCID (Open Researcher and Contributor ID)

To include your ORCID in your profile:

- Search for an existing ORCID**
If you have created an ORCID in the past or your institution has generated one for you, all you have to do is fill in the fields below and search for your unique ID from the list.
- Create a new ORCID**
If you can't find your ID or would like to create a new one, just click on the "Create new ORCID" button below to generate a new ORCID based on the info in your profile. You will then receive an email from ORCID to claim the generated ORCID.

Search ORCID

Please fill in any of the following fields:

First name:

Last name:

Search ORCID

- | | |
|------------------|----------------------|
| John Smith | Associate this ORCID |
| john smith | Associate this ORCID |
| John Smith | Associate this ORCID |
| John Smith | Associate this ORCID |
| John Smith,Smith | Associate this ORCID |

Create new ORCID



Dashboard

Profile

Account

Contributions

Groups

Usage

Favorites

Resume

Blog

Projects

John Smith ▶ Profile

PROFILE COMPLETENESS 00%

Name	John Smith	EDIT
ORCID	0000-0002-8116-1839	EDIT
Organization	Enter your Organization	EDIT
Employment Status	Enter your Employment Status	EDIT
E-mail	john.smith@mailinator.com	EDIT
Web Site	Enter your Website	EDIT
Telephone	Enter your Phone Number	EDIT
Address(s)	Enter an Address	EDIT
Biography	Enter your Biography	EDIT



Connecting Research and Researchers

- FOR RESEARCHERS
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630821 ORCID iDs and counting. See more...

Michael Witt

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Also known as:
Michael C. Witt

Keywords: Library Science, Data Curation, Digital Libraries, Institutional Repositories

Websites:
[Michael Witt, Purdue University](#)

Other IDs:
ResearcherID L-6590-2013
Scopus Author ID 15119883100
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- 1 Employment** [VIEW](#)
- 0 Funding** [VIEW](#)

Personal Information [Update](#)

Biography

Michael Witt is the head of the Distributed Data Curation Center (D2C2) and an associate professor of library science at Purdue University.

Education [Add Education Manually](#)

You haven't added any education, [add some now](#)

Employment [Add Employment Manually](#)

Purdue University
Head of the Distributed Data Curation Center

Funding [Import Funding](#) [Add Funding Manually](#)



Use case 3:

Include ORCID in Digital Object Identifier (DOI) metadata



Arrival Performance Measures at a Diverging Diamond Interchange

By Alexander Hainen¹, Jamie Mackey², Mark Taylor², Darcy Bullock¹

1. *Purdue University* 2. *Utah Department of Transportation*

This video shows several cycles of a diverging diamond interchange at SR-201 / Bangerter in Salt Lake City, Utah on December 18, 2013.

Listed in [Datasets](#)

View Publication

Version 1.0 - published on Mar 10, 2014
doi:10.4231/R7057CVS - [cite this](#)

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Abstract Diverging diamond interchanges (DDI) are a relatively recent adaptation of signalized interchanges. This video shows several cycles of a diverging diamond interchange at SR-201 / Bangerter in Salt Lake City, Utah on December 18, 2013. The video observes southbound traffic and how the vehicles arrive at the

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DataCite Content Service Beta

doi:10.4231/R7057CVS

This page represents DataCite's metadata for *doi:10.4231/R7057CVS*.

For a landing page of this dataset please follow <http://dx.doi.org/10.4231/R7057CVS>

Citation Hainen, Alexander; Mackey, Jamie; Taylor, Mark; Bullock, Darcy; (2014): Arrival Performance Measures at a Diverging Diamond Interchange; Purdue University Research Repository. <http://dx.doi.org/10.4231/R7057CVS>  

Descriptions

Abstract This video shows several cycles of a diverging diamond interchange at SR-201 / Bangerter in Salt Lake City, Utah on December 18, 2013.

Resource type

Dataset Dataset

Rights CC0 1.0 Universal

Language en

Dates

Valid 2014-03-10

Accepted 2014-03-10

Version 1.0

Contributors

ProjectLeader Courtney E Matthews

Other formats

[text/html](#)

[application/x-datacite+xml](#)

[application/vnd.datacite.datacite+xml](#)

[application/x-datacite+text](#)

[application/vnd.datacite.datacite+text](#)

[application/rdf+xml](#)

PROGRESS

HUBZERO-ORCID INTEGRATION

- All three use cases implemented in prototype
- Pilot testing with three hubs:
 - nanoHUB, <http://nanohub.org>
 - PURR, <http://purr.purdue.edu>
 - HABRI Central, <http://habri.org>
- Demo in May at ORCID Outreach Meeting in Chicago last month
- Contribute source code to HUBzero, next version release in September 2014

Thanks to support from:

ORCID

