ORCID-HUBZERO INTEGRATION

APRIL 1. 2014 – COALITION FOR NETWORKED INFORMATION SPRING MEETING



Michael Witt

Head, Distributed Data Curation Center (D2C2)
Associate Professor of Library Science

Web: http://www.lib.purdue.edu/research/witt

E-mail: <u>mwitt@purdue.edu</u>



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



REPOSITORY WORKFLOWS

HUBZERO-ORCID INTEGRATION

Three simple use cases:

- 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



Register

Home Resources Projects Get Started Contact Us

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



Do you have a question?



My Account Projects Get Started Contact Us

Purdue University Research Repository

Home Resources Projects Get Started Contact Us

You are here: Register

Create New Account

Login Information	User Login: REQUIRED johnsmith User login name is available Password: STRONG Must contain at least 1 le Must contain at least 1 nc Must be no longer than 1	Confirm	Password:	
Contact Information	First Name: REQUIRED John Valid E-mail: REQUIRED	Middle Name:	Last Name: REQUIRED Smith E-mail: REQUIRED	
Human Check	john.smith@mailinator.com ▲ Important! You must conf order to complete registra	irm receipt of confirmation e-mail fro	ith@mailinator.com om webmaster@purr-dev.lib.purdue.edu in Letters not clear? Click to renew CAPTCHA.	
	Please enter the following characters you see into the textbox below. mzg7q			
Terms & Conditions	REQUIRED Yes, I have read and agree to the Terms of Use.			

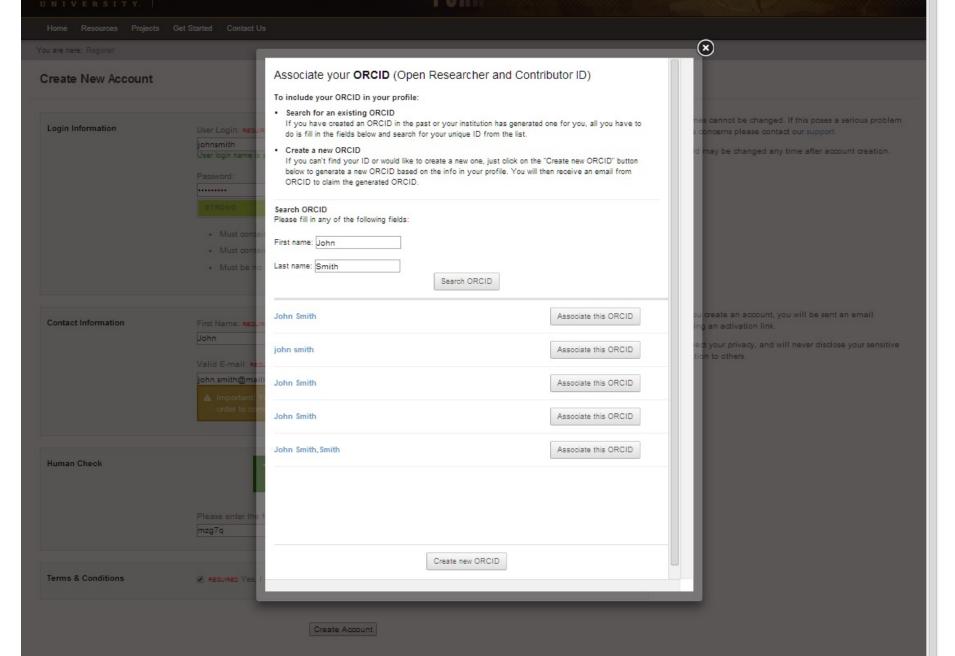
annot be changed. If this poses a serious problem cerns please contact our support.

be changed any time after account creation.

eate an account, you will be sent an email n activation link.

our privacy, and will never disclose your sensitive

Create Account



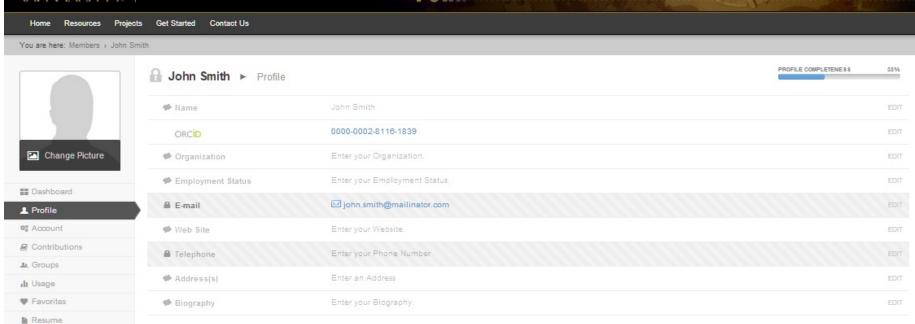
You are here: Register > Create New Account

Home Resources Projects Get Started Contact Us

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.



Blog → Projects

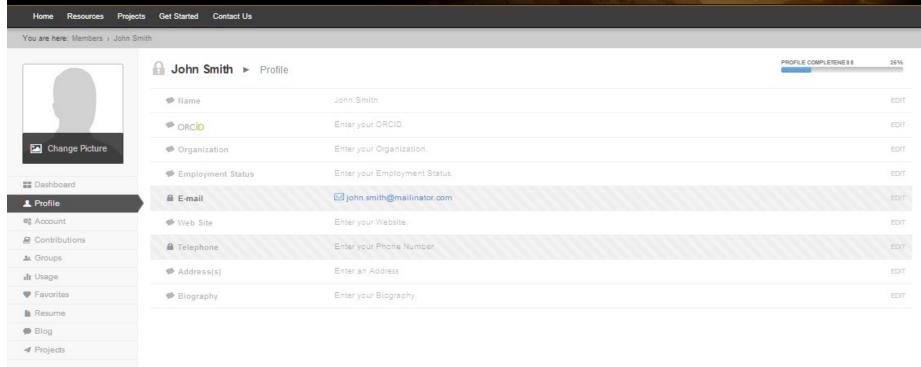
Get Started

Use case 2:

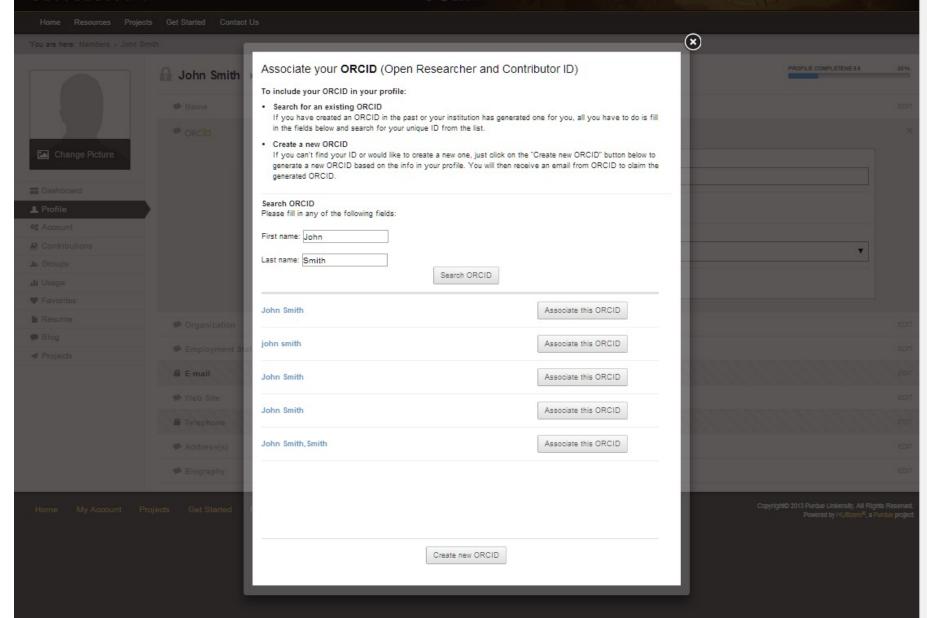
Link & edit ORCID from user dashboard

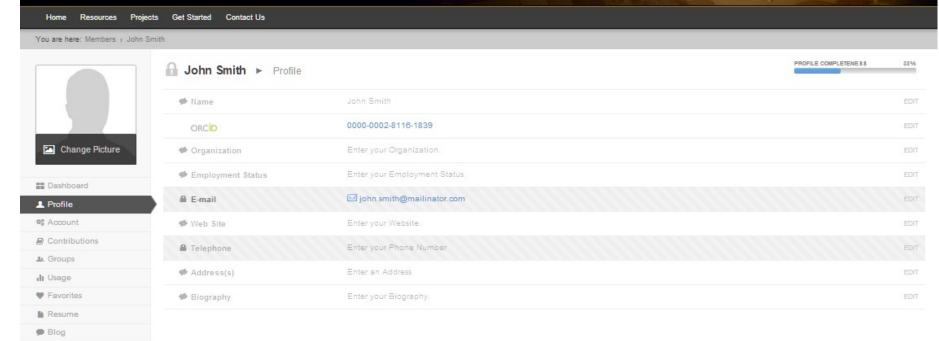




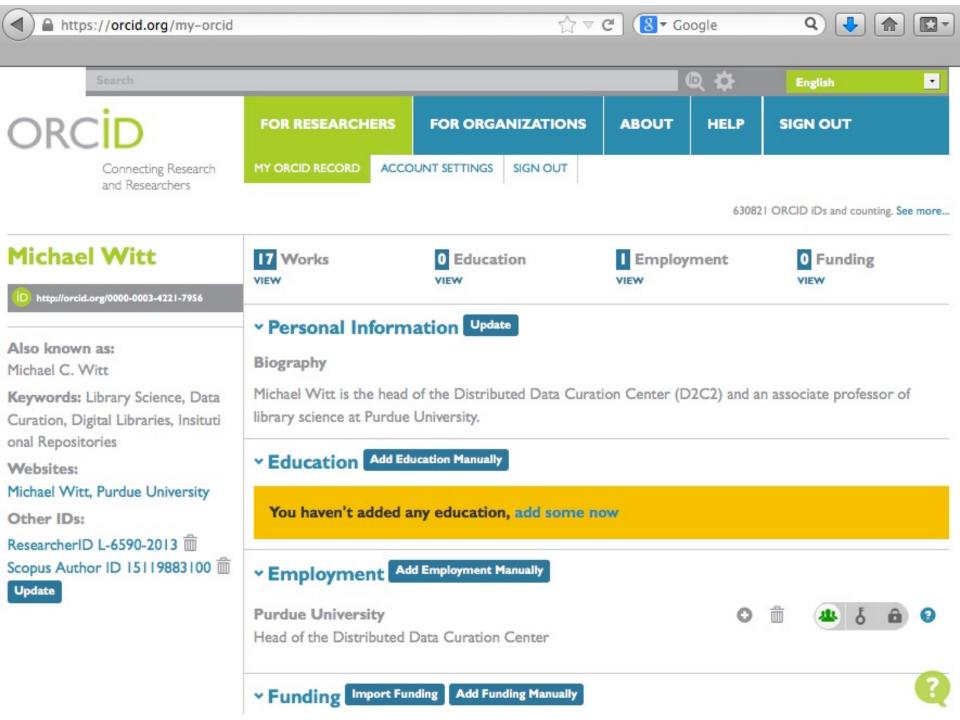


Get Started





→ Projects



Use case 3:

Include ORCID in Digital Object Identifier (DOI) metadata







Arrival Performance Measures at a Diverging Diamond Interchange

You are here: Publications . Datasets . Arrival Performance Measures at a Diverging About

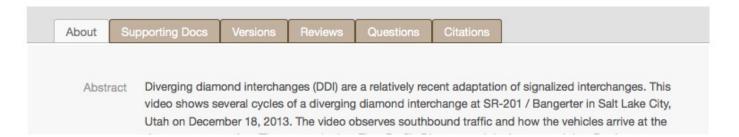
By Alexander Hainen¹, Jamie Mackey², Mark Taylor², Darcy Bullock¹

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





```
<?xml version="1.0" encoding="UTF-8"?>
<resource xmlns="http://datacite.org/schema/kernel=3" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"</pre>
xsi:schemaLocation="http://datacite.org/schema/kernel-3 http://schema.datacite.org/meta/kernel-3/
metadata.xsd">
   <identifier identifierType="DOI">10.4231/R7057CVS</identifier>

⟨creators⟩

      <creator>

⟨creatorName⟩Hainen, Alexander⟨⟨creatorName⟩
         <nameIdentifier nameIdentifierScheme="ORCID" schemeURI="http://www.orcid.org">0000-0003-4625-3209
nameIdentifier>
      </creator>
   </creators>
   <titles>
      <title>Arrival Performance Measures at a Diverging Diamond Interchange</title>
   </titles>
   <publisher>Purdue University Research Repository</publisher>
   <publicationYear>2014</publicationYear>

«contributors»

      <contributor contributorType="ProjectLeader">
         <contributorName>Courtney E Matthews</contributorName>
         <nameIdentifier nameIdentifierScheme="ORCID" schemeURI="http://www.orcid.org">0000-0002-2351-8675
nameIdentifier>
      </contributor>

«contributor contributorType="Researcher">

         <contributorName>Mackey, Jamie</contributorName>
         <nameIdentifier nameIdentifierScheme="ORCID" schemeURI="http://www.orcid.org">0000-0001-5362-4246
nameIdentifier>
      </contributor>

«contributor contributorType="Researcher">

         <contributorName>Taylor, Mark</contributorName>
         <nameIdentifier nameIdentifierScheme="ORCID" schemeURI="http://www.orcid.org">0000-0001-8525-5565
nameIdentifier>
      </contributor>
```















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 RIS BIBTEX		
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 Other formats

text/html

application/x-datacite+xml

Courtney E Matthews

application/vnd.datacite.datacite+xml

application/x-datacite+text

application/vnd.datacite.datacite+text

application/rdf+xml

CURRENT STATUS

HUBZERO-ORCID INTEGRATION

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

Thanks to support from:







