ORCID-HUBZERO INTEGRATION

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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



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:

- 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

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

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You are here: Register

Create New Account

Login Information	User Login: REQUIRED		Combination of lowercase letters and numbers. No spaces or punctuation.		
	iohnsmith				
	User login name is available				
	Password:		Confirm Password	:	
	STRONG				
	Must contain at least 1 letter				
	Must contain at least 1 number or punctuation mark				
	Must be no longer than 16 char.	acters			
	_				
Contact Information	First Name: REQUIRED	Middle Name:		Last Name: REQUIRED	
	John			Smith	
	Malia E and an area		C6 Eil		
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Human Check Terms & Conditions	john.smith@mailinator.com A Important! You must confirm recorder to complete registration. Magazia	you see into the tex	john.smith@maili e-mail from webma Lett Click to tbox below.	inator.com aster@purr-dev.lib.purdue.edu in ers not clear?	

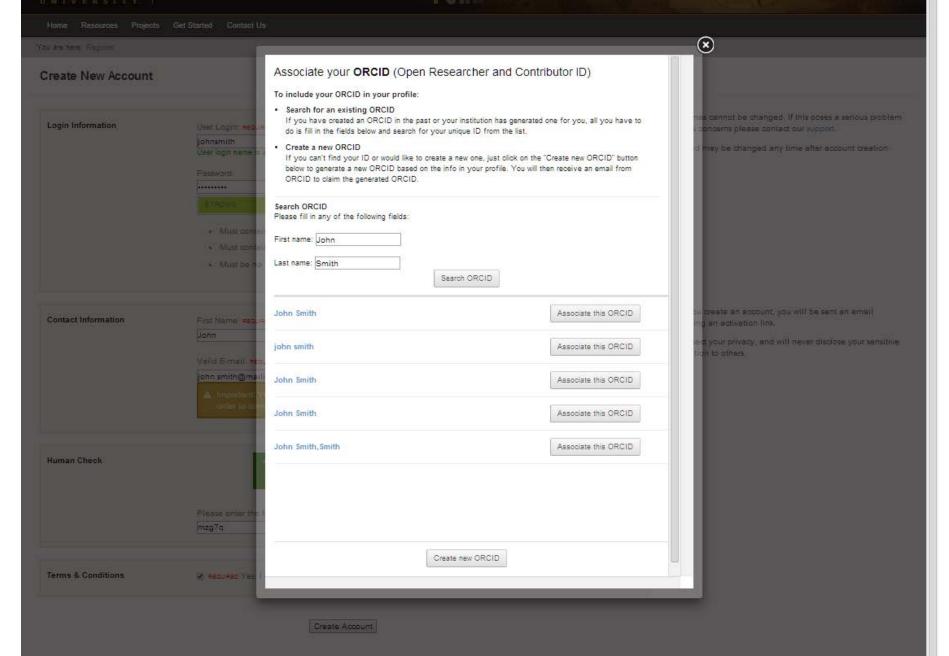
Usernames cannot be changed. If this poses a serious problem or raises concerns please contact our support.

Password may be changed any time after account creation.

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.

Create Account



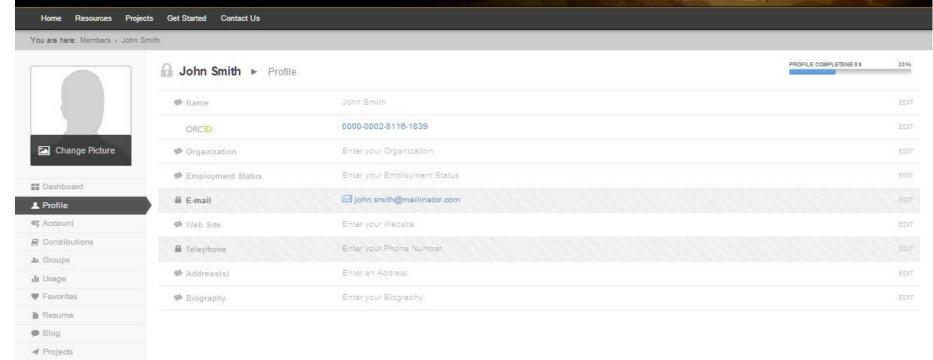
You are here: Register > Create New Account

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.

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Home

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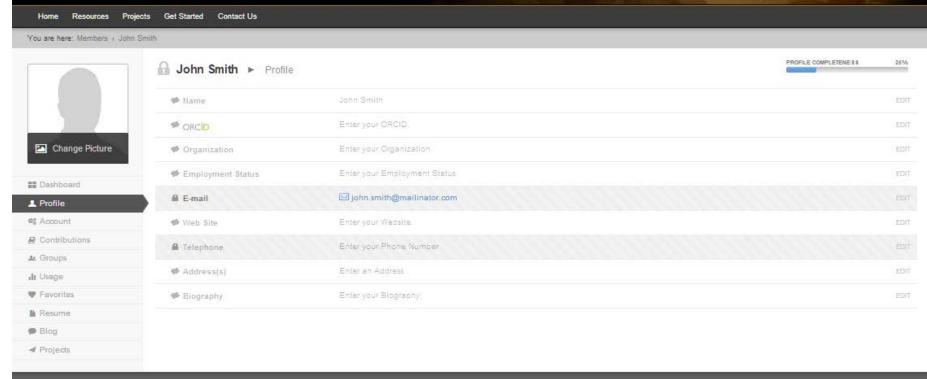
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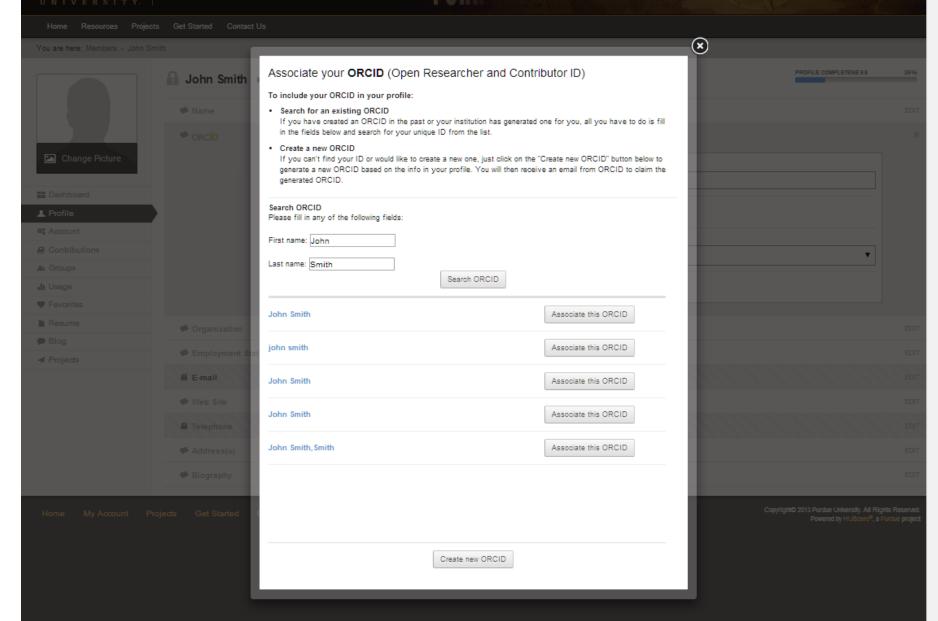
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Use case 2:

Link & edit ORCID from user dashboard



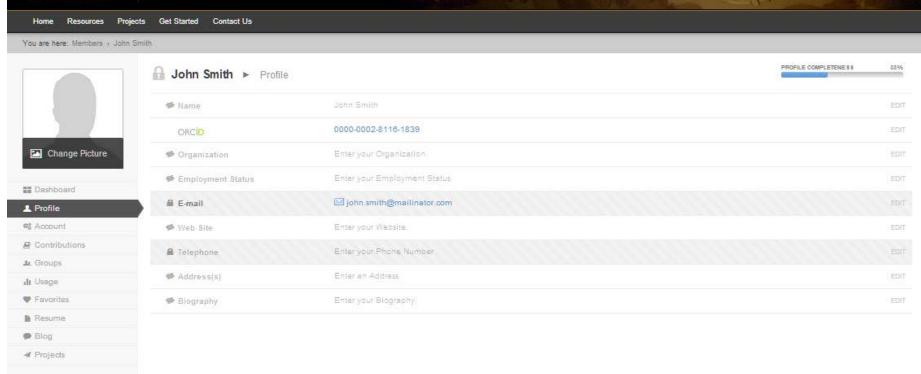




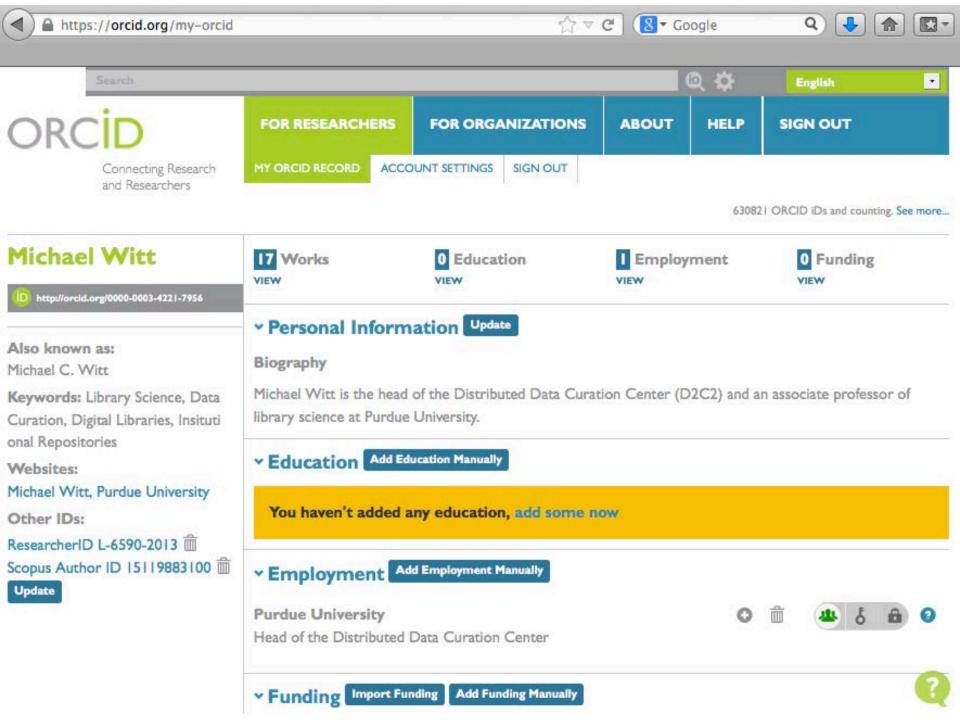


My Account (johnsmith)

Report a bug



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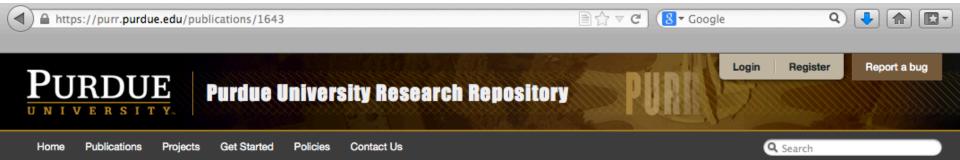


Use case 3:

Include ORCID in Digital Object Identifier (DOI) metadata







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

Arrival Performance Measures at a Diverging Diamond Interchange

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

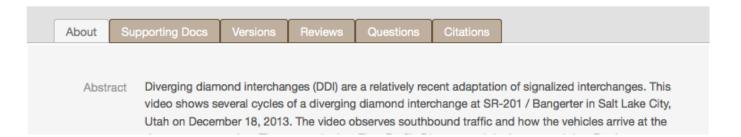
1. Purdue University 2. Utah Department of Transportation

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







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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
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Dates	
Valid	2014-03-10
Accepted	2014-03-10
Version	1.0
Contributors	

ProjectLeader Other formats

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Courtney E Matthews

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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:



