Michael Witt
Head, Distributed Data Curation Center (D2C2)
Associate Professor of Library Science
Web: http://www.lib.purdue.edu/research/witt
E-mail: mwitt@purdue.edu
HUBZERO

PLATFORM FOR SCIENTIFIC COLLABORATION

- HUBzero, open source software: [http://hubzero.org](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
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 Dataset DOI. Publishing will ensure your dataset is discoverable, reusable, and archived for the long-term. See Published Datasets.
Create New Account

Login Information
User Login: *required*
johnsmith
User login name is available
Password:

Password:

Password:

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

Contact Information
First Name: *required*
John
Middle Name:
Last Name: *required*
Smith
Valid Email: *required*
john.smith@mailinator.com
Confirm Email: *required*
john.smith@mailinator.com

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

Human Check
Letters not clear?
Click to renew CAPTCHA.

Please enter the following characters you see into the text box below.
mzg7q

Terms & Conditions
Yes, I have read and agree to the Terms of Use.
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: John
- Last name: Smith

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 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.
<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>John Smith</td>
</tr>
<tr>
<td>ORCID</td>
<td>0000-0003-8116-1839</td>
</tr>
<tr>
<td>Organization</td>
<td>Enter your Organization</td>
</tr>
<tr>
<td>Employment Status</td>
<td>Enter your Employment Status</td>
</tr>
<tr>
<td>E-mail</td>
<td><a href="mailto:john.smith@mailinator.com">john.smith@mailinator.com</a></td>
</tr>
<tr>
<td>Web Site</td>
<td>Enter your Website</td>
</tr>
<tr>
<td>Telephone</td>
<td>Enter your Phone Number</td>
</tr>
<tr>
<td>Address(s)</td>
<td>Enter an Address</td>
</tr>
<tr>
<td>Biography</td>
<td>Enter your Biography</td>
</tr>
</tbody>
</table>
Use case 2:

Link & edit ORCID from user dashboard
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</tr>
<tr>
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</tr>
<tr>
<td>Web Site</td>
<td>Enter your Website</td>
</tr>
<tr>
<td>Telephone</td>
<td>Enter your Phone Number</td>
</tr>
<tr>
<td>Address(s)</td>
<td>Enter an Address</td>
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**Search ORCID**
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- **First name**: John
- **Last name**: Smith

![Search ORCID form with options to associate ORCID](image-url)
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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

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

¹Purdue University ²Utah 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.

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
### Citation
Heinen, Alexander; Maciej, 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](http://dx.doi.org/10.4231/R7057CVS)

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

### Resource type
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
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: