Definition

“The BibApp is a Campus Research Gateway and Expert Finder.”
BibApp Lets You

• Find experts and current collaborations happening on your campus
• Promote the research of a department, school, or research group
• Increase the impact of campus research
• Easily reuse publication data
Mashup
people
directory

http://www.wisc.edu/directories/
citations

Journal Article

Conference Proceeding

Journal Article
### Perturbations of weakly resonant power system electromechanical modes

**Title:** Perturbations of weakly resonant power system electromechanical modes

**Authors:** Dobson, I.; Barocio, E.

**Source:** IEEE Trans. Power Syst., 2005, 20, 1, 330-337, Institute of Electrical and Electronics Engineers Inc., Piscataway, NJ 08855-1331, United States

---

### A branching process approximation to cascading load-dependent system failure

**Title:** A branching process approximation to cascading load-dependent system failure

**Authors:** Dobson, I.; Carreras, B.A.; Newman, D.E.

**Source:** 2004, 10, IEEE Comput. Soc, Big Island, HI, USA

---

### Estimating failure propagation in models of cascading blackouts

**Title:** Estimating failure propagation in models of cascading blackouts

**Authors:** Dobson, I.; Carreras, B.A.; Lynch, V.E.; Nkei, B.; Newman, D.E.

**Source:** 2004, 641-646, Institute of Electrical and Electronics Engineers Inc., New York, NY 10016-5997, United States, Ames, IA, United States

---

### Estimating failure propagation in models of cascading blackouts

**Title:** Estimating failure propagation in models of cascading blackouts

**Authors:** Dobson, I.; Carreras, B.A.; Lynch, V.E.; Nkei, B.; Newman, D.E.

**Source:** 2004, 641-6, IEEE, Ames, IA, USA

---

### A branching process approximation to cascading load-dependent system failure

**Title:** A branching process approximation to cascading load-dependent system failure

**Authors:** Dobson, I.; Carreras, Benjamin A.; Lynch, Vickie E.; Nkei, Bertrand; Newman, David E.

**Source:** 2004, 641-646, Institute of Electrical and Electronics Engineers Inc., New York, NY 10016-5997, United States, Ames, IA, United States

---

**https://www.refworks.com/Refworks/**
archival rights

http://www.sherpa.ac.uk/romeo.php
Welcome to MINDS @ UW!

Search
Enter some text in the box below to search DSpace.

Communities in DSpace
Choose a community to browse its collections.

Center for Human Performance and Risk Analysis
Center for Limnology
Center for the Humanities
(or various citation input formats)
Demo #1
Demo Outline

* Overview of homepage
  - All data captured in application
  - 50 faculty / UW-Madison Engineering Physics department
  - Tag line: We’re putting X papers online (SHERPA data)
  - Prominent authors on campus
  - Recent citations
  - Groups
  - Publications
  - Publishers

* Search: nano*
  - Explain results
  - Did you mean nano?
  - Filter (stays at the #citations)
  : Group "Nanoscale science and Engineering Center"
    - Year "2004"
    - Find It links
    - "Pseudoelastic behavior of Nickel-titanium"

* Citation page
  - APA format
  - Authors
  - Related articles
  - Click on Crone

* Person page
  - Research Focus (requested by all faculty)
  - Groups
  - Citations
  : Solr view pushed out to all views
  - Print preview
  - RSS
  - Click on "Materials and Mechanics Research Group"

* Group page
  - See all the members
  - See the parent group (parent/child group hierarchy)
  - RSS (don’t show this time)
  - Filter
  : Publication "Journal of the Mechanics and Physics of Solids"
  - Click on Journal of the Mechanics and Physics of Solids link w/in citation

* Publication page
  - View people who publish in the journal
  - Groups
  - Citations again
  - Filter (solves the "who’s publishing in journal X problem")
  : Year "2001"
  - Show authorities (briefly discuss)
  - Click on Publisher: Pergamon

* Publisher page
  - You get the drift
  - Click on Publishers
History
OSCP

- Office of Scholarly Comm. & Publishing
- Launched Summer 2005
- OSCP Service Campaigns:
  - Scholarly communication instruction
  - Digital publishing consulting
  - Copyright assistance
  - Repository assistance (local & national)
  - Fund for Open Access publishing
Campaigns...

http://politicalrealm.blogspot.com/2008/01/picture-this.html
Republicans

https://votervault.com/vv/
Democrats

http://www.voteractivationnetwork.com/index.asp
Voter Databases

- Microtargeting
  - Fundraising
  - Recruitment
  - Issue tracking
  - Get out the vote

Demographics:
- Name
- Address
- Phone number
- Political party
- Voting history
- Ethnicity
- Gender
- Age
- Homeownership
- Occupation
How Clinton’s rapid-response team is flattening Dole

back in the campaign of 1992, we were into slogans. “The Economy, Stupid” was the most famous one to emerge from the War
How Clinton’s rapid-response team is flattening Dole

back in the campaign of 1992, we were into slogans. “The Economy, Stupid” was the most famous one to emerge from the War
Win a campaign...

• Knowledge
• Personalized message
• Speed
• Promise of change

Expert Discovery
Ray Vanderby, Jr.
Professor

- Address/E-mail
- Program Affiliations
- Courses
- Education
- Fields of Interest
- Publications
- Additional Experience
- Summary

Contact Information

Module G5/360 Clinical Science Center
600 Highland Avenue
Madison, WI 53792

Tel: 608/263-9593
Fax: 608/265-9144
E-mail: vanderby@orthorehab.wisc.edu

Program Affiliations

- Biomedical Engineering
- Engineering Physics
- Mechanical Engineering
- Biomedical Engineering Center
- Engineering Mechanics
- Materials Science Program
Ray Vanderby, Jr., PhD

Professor of Orthopedic Surgery

K4/738 Clinical Science Center
600 Highland Avenue
Madison, WI 53792-7375
Office: (608) 263-9593
FAX: (608) 263-5631

vanderby@orthorehab.wisc.edu

Education

- PhD, Engineering, Purdue University, West Lafayette, IN, 1975

Research Interests

Dr. Vanderby directs the work of an orthopedic research team, which includes research staff members, engineering students, and medical students. His research includes evaluation of normal and healing connective tissues, and their response to changes in their mechanical environment. He is also involved in tissue engineering for orthopedic applications. He is also a Biomedical Engineering faculty member.

Active Grants

- "Ligament Healing: Role of Neuropeptides"
- "Mechanical signal transduction mechanisms of chondrocytes"

Recent Publications

  [PubMed ID: 18240327]
Contact Information

Office: Engineering Centers Bldg., also
Module G5/360 Clinical Science Center
600 Highland Avenue
Madison, WI 53792
Tel: 608/263-9593 Fax: 608/265-9144
Lab: VA Medical center and orthopedic surgery
E-mail: vanderby@surgery.wisc.edu

Affiliations

Biomedical Engineering
Surgery
Engineering Mechanics
Materials Science Program

Research Interests

Professor Vanderby is a faculty member in the department of Surgery, where he directs the Orthopedic Research Laboratories. He has an affiliate appointment in the Departments of Engineering Physics and Mechanical Engineering. His research focuses entirely on orthopedic biomechanics. Vanderby is particularly interested in the mechanics of ligaments, tendons and bone, and studies alterations in the mechanical properties of these tissues in response to tissue healing, changes in loadings (from
The Vanderby Laboratory

Faculty > Ray Vanderby

Ray Vanderby
Professor, Orthopedics and Rehabilitation,
Biomedical Engineering
vanderby@orthorehab.wisc.edu

Vanderby Laboratory Home Page

Organ System/Disease Focus
Skeletal system tissue healing

Aligned Research Focus
Tissue regeneration of ligament, tendon, and cartilage

Research Description
I am particularly interested in orthopedic tissues (bone, ligament, tendon, cartilage, etc.). My research focuses on wound healing or regenerating these tissues via tissue engineering. This includes assessing the role of relevant growth factors.
Tradition
Faculty Publications Database (1992-2006)

Search by keyword or year:

Adams, Michael H. (College of Humanities & Arts - Television, Radio, Film and Theatre)

Books

Charles Herrold, inventor of radio broadcasting.
Search the catalog

Introduction to radio: Production and programming.
Search the catalog

Single camera video: the creative challenge.

http://www.sjlibrary.org/gateways/academic/facpubs/fac_search.htm
Law Library

Faculty Publications

Paul A. Lombardo

Book Chapters / Collected Works


http://law.gsu.edu/library/index/faculty_publications
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</table>

NavigateNext - NavigatePrevious - Home

http://library.shu.edu/respubs.htm
Master List of Publications

This online listing of publications includes a wide range of materials published by our faculty. The works span all legal specialties and often reflect an expertise in disciplines outside of law bearing on legal issues. There are links to law review articles, books, and other scholarly publications, as well as to web publications, other electronic media, and even opinion pieces written for national newspapers.

Abrams, Douglas E.

Books


| Thomson/West |

Children and the Law - Doctrine, Policy & Practice with Sarah H. Ramsey, (3rd, Thomson/West 2007)

| Catalog | Thomson/West |


| SSRN | Catalog | Missouri Juvenile Justice Association |

Children and the Law In a Nutshell with Sarah H. Ramsey, (2nd, Thomson/West 2003).

| Catalog | Thomson/West |
Faculty Publications

Baker
Birckhead
Blakey
Boger
Broome
Broun
Brown
Brown
Brown
Bryan

Blue text indicates hyperlinks.

Baker, Scott

Articles and Book Chapters


Deterrence, Lawsuits, and Litigation Outcomes under Court Errors (with C. Landeo and M. Nikitin), 23 J.L. ECON. & ORG. 57 (2007). Westlaw


Intellectual Property Disclosure as ‘Threat’ (with P. Lee and C. Mezzetti) (Date Posted: September 8, 2007). SSRN
Henley, Christopher L.  Professor

RESEARCH

research and scholarship focus
Theory of frustrated magnetism (classical and quantum)
Interacting electron systems
Quasicrystals
Statistical (possibly biological) physics.

primary investigator of
GEOMETRICAL APPROACHES TO FRUSTRATED AND MANY-BODY SYSTEMS | Research Grant
GEOMETRICAL APPROACHES TO FRUSTRATED AND/OR DILUTED ANTFERROMAGNETS | Research Grant
THE GEOMETRY OF DISORDER: THEORETICAL INVESTIGATIONS OF QUASICRYSTALS AND FRUSTRATED MAGNETS: QUASICRYSTALS GEOMETRIES AND ENERGIES | Research Grant

http://vivo.library.cornell.edu/
Dr Kevin M. Tavin

341 Hopkins Hall Hopkins Hall
128 N Oval Mall
Columbus, OH 43210

Phone: (614) 292-0273
Email: tavin.1@osu.edu

Current OSU Appointment

Associate Professor, Art Education

Degrees

1990 B.F.A., Maryland Institute College of Art, Art Education, cum laude
1996 M.Ed., Towson State University, Art Education
2003 Ph.D., Pennsylvania State University, Art Education

Positions

2005 - 2006 Associate Professor, School of the Art Institute of Chicago. Chicago, IL, United States.
2004 - 2005 Postdoctoral Fellow, The Ohio State University, College of the Arts, Art Education. Columbus, OH, United States.
2003 - 2004 Visiting Professor, The Ohio State University, College of Art. Columbus, OH, United States.
2002 - 2005 Director, School of the Art Institute of Chicago, Master of Arts in Teaching Program. Chicago, IL, United States.

https://pro.osu.edu/
My research is focused on problems of legal design in market democracies. I am currently looking at how legal institutions learn over time, the role of lawyers in generating adaptive legal rules and the rule of law and how the markets for law, lawyers and dispute resolution affect the production of law. This involves questions not only of the price and quality of legal services but also of innovation in the provision of legal goods and services and the provision of the 'soft infrastructure' that supports innovative economic activity. I am also working on issues related to the democratic functions of law and the risks arising from the growth of anti-court sentiment in tort reform and alternative dispute resolution norms.

**Comparative Law and Economics**


In the past decade a comparative law and economics literature has emerged that is largely...

*The Role of International Law Firms and Multijural Legal Human Capital in the Harmonization of Legal Regimes* (2007)

The problem of harmonizing legal rules across multiple overlapping legal orders is, in part, a...

*The Quality of Law: Judicial Incentives, Legal Human Capital and the Evolution*
Welcome to ResearcherID!

Researcher ID is a global, multi-disciplinary scholarly research community. Each researcher listed is assigned a unique identifier, to aid in solving the common problem of author misidentification. Search the registry to find citations, collaborators, and more.

How to Register | FAQ

Search ResearcherID

Search for researchers in our database using one or more of these fields:
[ more options | tips ]

Last / Family Name: 
Example: Smith

First / Given Name: 
Example: J or James

Search | Clear

http://www.researcherid.com/
Brittingham Foundation

- Awarded grant to expand application
  - Engineering
  - Medicine
  - Pharmacy
  - Nursing
  - English
  - Political Science
  - History
  - Sociology
Brittingham Foundation

• Survey potential campus audiences
  - Analyze use cases
  - Define public needs
  - Define public features
  - Determine “feasibility”

• Grant funding / Pilot project ended August 2007
Feedback

- Current publication lists important
- Little time to keep up to date
- Untenured faculty = everything
- Tenured faculty = highlighted publications
- Reuse important
Collaboration
The BibApp

Eric Larson, Nate Vack

What has your repository done for you lately? The Rails–powered BibApp is the ultimate mashup of article databases, citation management software, and digital repositories. To date, it’s helped us add over 2000 articles to our repository by organizing citations, identifying articles we can archive, and generating DSpace import packages. It also lets us analyze research produced on campus, illustrating popular research topics, departmental affiliations, and collaborative relationships between researchers.

View Video

Watch at Google
Download Video (MP4, 49.4 MB, MSU Mirror)
Download Audio Only (MP3, 10.9MB, MSU Mirror)

http://code4lib.org/2007/larson
Stack
stack

Borrowed from: http://www.joeydevilla.com/

Ruby on Rails + Solr
Ruby on Rails
Web development that doesn’t hurt

Ruby on Rails™ is an open-source web framework that’s optimized for programmer happiness and sustainable productivity. It lets you write beautiful code by favoring convention over configuration.

Rails 2.1: Time zones, dirty, caching, gem dependencies, caching, etc

Get Excited  Get Started  Get Better  Get Involved

Get Excited

Download version

Get Started

Released May 31, 2008

Get Better

API, Books, tutorials, samples

Get Involved

IRC
Mailing lists
Bug tracker
Wiki

“Ruby on Rails is a breakthrough in lowering the barriers of entry to programming. Powerful web applications that formerly might have taken weeks or months to develop can be produced in a matter of days.”

-Tim O’Reilly, Founder of O’Reilly Media

Read more quotes

What the ‘impress’

Rails is a full-stack framework for developing database...

http://rubyonrails.org/
Model View Controller

Features:

“Isolates business logic from user-interface considerations.”

“By decoupling models and views, MVC helps to reduce the complexity in architectural design, and to increase flexibility and reuse.”

*Wikipedia*

http://www.slash7.com/articles/2005/02/22/mvc-the-most-vexing-conundrum
ActiveRecord

x = Citation.find(  
  :all,  
  :order => "year desc"
)

Cute Video Tutorial:

Features:
- No Configuration
- Database agnostic
- Easy Associations
- Validations
- No (little) SQL
ActiveRecord

x = Citation.find(
  :all,
  :order => "year desc"
)

Cute Video Tutorial:

Features:
- No Configuration
- Database agnostic
- Easy Associations
- Validations
- No (little) SQL
Ruby is...

A dynamic, open source programming language with a focus on simplicity and productivity. It has an elegant syntax that is natural to read and easy to write.

Read More...

Ruby 1.8.7 has been released

Akinori MUSHA announced today that Ruby 1.8.7 has been released.

The new version of Ruby includes many bug fixes, lots of feature enhancements backported from 1.9 and some performance improvements since 1.8.6 while maintaining stability and backward compatibility with the previous release to a high degree. See the bundled documentation for details about compatibility issues.

The source code package is available in three formats at the following locations:

http://www.ruby-lang.org/
The RubyGems bookshelf

Select a book from the list below.

RubyGems User Guide
Everything you need to know about using the RubyGems packaging system.

gem Command Reference
This reference covers ‘gem’ version 0.8.7.

RubyGems Frequently Asked Questions
Frequently Asked Questions about the RubyGems Packaging System.

RubyGems GemSpec Reference
The Gem::Specification object controls the data (and metadata) that goes into a GEM.

http://rubygems.org/
Solr
Welcome to Solr

What Is Solr?

Solr is an open source enterprise search server based on the Lucene Java search library, with XML/HTTP and JSON APIs, hit highlighting, faceted search, caching, replication, and a web administration interface. It runs in a Java servlet container such as Tomcat.

See the complete feature list for more details, then check out the tutorial.

News

02 October 2007 - Solr at OSSummit Asia

Lucene and Solr tutorials!

The following talks and trainings are scheduled for the upcoming 2008 OSSummit:

http://lucene.apache.org/solr/
Solr Features:

Great Search
- wildcards
- boolean search
- relevancy
- sorting

Facets
Spelling suggestions
Related publications
Native Ruby results
Features
Authentication
Authentication:
- restful authentication plugin
- signup
- forgot password
- remember me

Future:
- LDAP / AD Authen
- Shibboleth?
- OpenID?
Authorization
Authorization:
- authorization plugin
- roles ‘cascade’

Roles:
- Admin
- Editor
- Shibboleth?
- OpenID?

Permission Levels:
- Entire System
- Group
- Person
Cascading Permissions

• Admin – create, edit, delete
• Editor – create, edit ONLY
• Cascades…
  - System
    groups, people, citations
  - Group
    people, citations (in that group)
  - Person
    citations (of that person)

Citation Import
Phan Thiet Fish Market
Many citations in the sea...

 Formats

RIS
Medline
Refworks XML
Citation Types

- Abstract
- Artwork
- BillsResolutions
- BookEdited
- BookSection
- BookWhole
- CaseCourtDecisions
- ComputerProgram
- ConferenceProceeding
- DissertationThesis
- DissertationThesis
- Generic
- Grant
- Hearing
- JournalArticle
- LawsStatutes
- MagazineArticle
- Map
- Monograph
- MotionPicture
- MusicScore
- NewspaperArticle
- OnlineDiscussionForum
- Patent
- PersonalCommunication
- Report
- SoundRecording
- UnpublishedMaterial
- Video
- WebPage

Deduplication
Dupe Keys

Title Dupe Key
ISSN ISBN Dupe Key
nonlinearligamentviscoelasticity2001JournalArticle908
De-duplicate

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</table>

Rules:

1. Each citation is validated upon entry
2. Original citation data is stored in database
3. First in wins (#1)
4. Dupes are saved, in case of error
Visit the BibApp wiki to read more about our citation deduplication process.
RESTful
**REpresentational State Transfer**

- Everything is a “resource” and gets a URL
- “Representations” are exchanged
- Interface to change the “state” of resources (e.g.) HTTP methods
- Stateless arch.

```
GET /cats/1/stuff/2
PUT /cats/1/stuff/2
POST /cats/1/stuff/3
DELETE /cats/1/stuff/2
```
REST is a fine pattern for designing controllers, but it can be pretty repetitive. Who wants to write out the same actions and copy the same model lookup logic all over their application?

make_resourceful handles all that for you. It sets up all your RESTful actions and responses with next to no code. Everything has full, sensible default functionality.

Of course, no controller only uses the defaults. So make_resourceful can be massively customized, while still keeping your controllers trim and readable.
class PostsController < ApplicationController

  def index
    @posts = Post.find(:all)
    respond_to do |format|
      format.html # index.rhtml
      format.xml { render :xml => @posts.to_xml }
    end
  end

  def show
    @post = Post.find(params[:id])
    respond_to do |format|
      format.html # show.rhtml
      format.xml { render :xml => @post.to_xml }
    end
  end

  def new
    @post = Post.new
  end

  def edit
    @post = Post.find(params[:id])
  end

  def create
    @post = Post.new(params[:post])
    respond_to do |format|
      if @post.save
        flash[:notice] = 'Posts was successfully created.'
        format.html { redirect to post_url(@post) }
        format.xml { head :created, :location => post_url(@post) }
      else
        format.html { render :action => "new" }
        format.xml { render :xml => @post.errors.to_xml }
      end
    end
  end

  def update
    @post = Post.find(params[:id])
    respond_to do |format|
      if @post.update_attributes(params[:post])
        flash[:notice] = 'Posts was successfully updated.'
        format.html { redirect to post_url(@post) }
        format.xml { head :ok }
      else
        format.html { render :action => "edit" }
        format.xml { render :xml => @post.errors.to_xml }
      end
    end
  end

  def destroy
    @post = Post.find(params[:id])
    @post.destroy
    respond_to do |format|
      format.html { redirect to posts_url }
      format.xml { head :ok }
    end
  end
end

class PostsController < ApplicationController

  make_resourceful do
    build :all
  end

end
Michael L Corradini  

Email: corradini@engr.wisc.edu  
Phone: (608) 263-1648

Research Focus

Professor Corradini is a mechanical and nuclear engineer with research interests centered primarily in thermal hydraulics and multiphase flow. He especially emphasizes the areas of reactor operation, reactor safety, waste reprocessing, and recycle and risk assessment. He is director of the college's Wisconsin Institute of Nuclear Systems.

Groups

College of Engineering  
Engineering Physics  
Nuclear Engineering and Engineering Physics  
Fusion Technology Institute  
Mechanical Engineering  
Institute for Environmental Studies  
Biotechnology Center  
Engine Research Center

Co-authors at UW-Madison

12  
Bonazza

9  
Moses

7  
Kulcinski

5  
Vogelsang

3  
Mackie

3  
Witt

3  
Emmert
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    - name: Engineering Physics
      id: 2
    - name: Nuclear Engineering and Engineering Physics
      id: 5
    - name: Fusion Technology Institute
      id: 10
    - name: Mechanical Engineering
      id: 11
    - name: Institute for Environmental Studies
      id: 19
    - name: Biotechnology Center
      id: 20
    - name: Engine Research Center
      id: 21
  research_focus: Professor Corradini is a mechanical and nuclear engineer with research interests centered primarily
  office_state: WI
  office_city: Madison
  im: ""
  office_address_line_two: Madison Wi 53706
  id: 1
  contributorships:
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              <epdcx:valueString>INDIUM COMPOUNDS</epdcx:valueString>
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            </epdcx:statement>
          </epdcx:description>
        </epdcx:descriptionSet>
      </xmlData>
    </mdWrap>
  </metsHdr>
</mets>
```
SWORD
SWORD is...

- **Simple Web-service Offering Repository Deposit**
- **a Protocol:**
  - Allows external system / program to deposit items directly into DSpace
  - A Profile of the Atom Publishing Protocol
    http://AtomEnabled.org/
- **a Common “Standard”:**
  - DSpace, Fedora, EPrints are all adopting SWORD

SWORD Wiki: [http://www.ukoln.ac.uk/repositories/digirep/index/SWORD](http://www.ukoln.ac.uk/repositories/digirep/index/SWORD)
How SWORD works...

Step 1: Request Service Document

Can I make a deposit? Here’s my login info...

Here are the collections you may deposit to...

---

External System

SWORKD Client

Service document

<collection/>
<collection/>
<collection/>

Repository

SWORD Interface
How SWORD works...

External System

Step 2: Make a Deposit

Ok, I’d like deposit to ____ collection

Repository

SWORD Interface

Atom response

<title/>
<id/>
<link/>

Thanks! Here’s a reference to your deposit for later
At the library, we ♥ our researchers.
BibApp’s SWORD Caveats

• Administrator must approve deposit
• Single Collection
• Single Login
• Future:
  - Choose collections?
  - Additional logins?
SHERPA / RoMEO
Publisher copyright policies & self-archiving

Use this site to find a summary of permissions that are normally given as part of each publisher's copyright transfer agreement.

Search

Search ○ Journal titles ○ Publisher names

for [search]

find ○ contains or ○ starts with or ○ Exact phrase only ○ ISSN

Browse

• All publishers
• Green publishers
• Blue publishers
• Yellow publishers
• White publishers

What the colours mean.

This service is maintained by SHERPA, with support from JISC and the Wellcome Trust. It is a development of the original journal publishers' listings produced by the RoMEO Project. Journal information is kindly provided by the British Library's Zetoc service hosted by MIMAS. The information held here is available for use by third-parties under conditions for re-use and a Creative Commons licence. See a list of sites that are already using RoMEO data. A prototype API is available and being developed for m2m access: for example to be integrated into a repository's deposit process. Statistics are available for RoMEO colours allocated to the publishers in this list. Contact us for further information.

Publisher information is updated by our collaborative colleagues (SHERPA Partners, DINI, and Nereus) and through community contributions - please submit any updates using the link provided on the search results pages. If a publisher is not listed here you may wish to recommend that we include it. Please note that these listings refer to journal publications and not to book publications. Consult the publishing contract, or contact publishers directly for their self-archiving policies for book chapters.

Please note that general use of the terms pre-print and post-print can vary: these lists follow accepted definitions for self-archiving purposes. These listings are primarily for the use of the academic research community and any information given is from this perspective.

http://www.sherpa.ac.uk/romeo.php
Gerald L Kulcinski  Email: kulcinsk@engr.wisc.edu · Phone: (608) 263-1601

Research Focus

Professor Kulcinski’s research involves developing fusion reactors as future sources of clean, safe and economical energy. His specific interests are in using advanced fuels such as D-3He to generate electricity. The D-3He fuel cycle has on the order of 1 percent of its energy in neutrons instead of the 80 percent typical of the DT cycle.

Groups

College of Engineering  Engineering Physics  Nuclear Engineering and Engineering Physics
Fusion Technology Institute

Co-authors at UW-Madison

31 Emmert  29 Moses  17 Vogelsang  13 Blanchard  7 Corradini  6 Boom  5 Schmitt
4 Witt  4 Callen  3 Henderson  2 Wilson  1 Carbon  1 Conrad
### Archival Analysis: Gerald L Kulcinski

<table>
<thead>
<tr>
<th>Count</th>
<th>Percentage</th>
<th>Color</th>
<th>Archiving Policy</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0%</td>
<td>Blue</td>
<td>Can archive post-print (ie final draft post-refereeing)</td>
</tr>
<tr>
<td>131</td>
<td>39%</td>
<td>Green</td>
<td>Can archive pre-print and post-print</td>
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<tr>
<td>187</td>
<td>55%</td>
<td>Unknown</td>
<td>Could not determine from data</td>
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<tr>
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<td>White</td>
<td>Archiving not formally supported</td>
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<tr>
<td>12</td>
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<td>Yellow</td>
<td>Can archive pre-print (ie pre-refereeing)</td>
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<tr>
<td>338</td>
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### Publications

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<tr>
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<tr>
<td>9</td>
<td>Unknown</td>
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<td>American Nuclear Society</td>
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<td>International Atomic Energy Agency</td>
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<td>Green</td>
<td>Nuclear Engineering and Design</td>
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<tr>
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<td>6</td>
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<td>Unknown</td>
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</table>
College of Engineering

- **Green**: 69%
- **Blue**: 3%
- **Yellow**: 2%
- **White**: 1%
- **Unknown**: 25%
Authorities

simple authorities
publication

## publications

<table>
<thead>
<tr>
<th>Name</th>
<th>ISSN</th>
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<tbody>
<tr>
<td>Fusion Engineering and Design</td>
<td>0920-3796</td>
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<td>Fusion Eng. Des. (Netherlands)</td>
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Engineering Physics:
50 faculty = 682 unique publication strings
### ADMIN::Publications (W) - Add

#### Select and Add Authority

Select records

<table>
<thead>
<tr>
<th>Select</th>
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<th>Publisher</th>
<th>Authority</th>
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<td>Elsevier</td>
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<td>select</td>
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## publishers

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<td>AMER INST PHYSICS</td>
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<tr>
<td>American Institute of Physics Inc</td>
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<tr>
<td>AIP</td>
</tr>
<tr>
<td>American Institute of Physics Inc., Woodbury, NY, USA</td>
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**Engineering Physics:**

50 faculty = **550** unique publisher strings
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<td>IEE-INST ELEC ENG - 2</td>
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Select records
Select authority
### Engineering Physics

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<td>People</td>
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<td>Citations</td>
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<td>Name Strings</td>
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<tr>
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<tr>
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<tr>
<td>Publishers</td>
<td>550 (792)</td>
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</table>
Author Disambiguation
citation


Engineering Physics:
50 faculty = 3,044 unique citations
Engineering Physics:
50 faculty = \textbf{4,615} unique name strings

<table>
<thead>
<tr>
<th>Pen Names</th>
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<tbody>
<tr>
<td>Vanderby, R.</td>
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<tr>
<td>Vanderby, Ray</td>
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<tr>
<td>Vanderby, R., Jr</td>
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<td>Vanderby, Ray Jr</td>
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Vanderby, Ray Jr
Engineering Physics:
50 faculty = 23,081 citation name strings
citation name strings

1,000,000

UW-Madison:
2054 faculty = 1,000,000+ citation name strings
DANE MORGAN

College of Engineering Assistant Professor
Materials Science and Engineering Assistant Professor
1509 Materials Sci&Engr Bldg
1509 University Ave
Madison WI 53706-1538
Phone: 6082655879
Email: ddmorgan@wisc.edu

Add to Address Book

Who I'm Publishing With At UW

People

2 Xiaochun LI
1 David Anderson
1 Joseph Talmadge
1 Daniel Vanderweide
1 James Smith

Groups

18 College of Engineering
18 Materials Science and Engineering
2 Mechanical Engineering
1 Electrical and Computer Engineering

Citation Types

Journal (89%)
Proceeding (11%)

Popular research topics:

4 humanities multidisciplinary
3 electrochemistry
2 materials science coatings films
2 noise
2 microstrip detectors
2 binary readout
2 electronics
2 instruments instrumentation

DANE MORGAN Edit

College of Engineering, Assistant Professor
Materials Science and Engineering, Assistant Professor
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1509 University Ave
Madison WI 53706-1538
Phone: 6082655879
Email: ddmorgan@wisc.edu

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Groups
18 College of Engineering
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Citation Types

Popular research topics:
4 humanities multidisciplinary
3 electrochemistry
2 materials science coatings films
2 noise
2 microstrip detectors
2 binary readout
2 electronics
2 instruments instrumentation
2 nuclear engineering technology
Dane D Morgan
Engineering

David O Morgan
History
## Algorithm

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<tr>
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<td>If matches = 25 pts</td>
</tr>
<tr>
<td>Collaborators</td>
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<td>(25/total) * matching</td>
</tr>
<tr>
<td>Keywords</td>
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<td>(25/total) * matching</td>
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</table>
two potential authors at UW-Madison

Dane D Morgan
- Groups:
  - College of Engineering
  - Engineering Physics

David O Morgan
- Groups:
  - College of Letters and Science
  - History

physics citation

certainty begins at zero

verify correct author
certainty begins to climb

verify correct author

physics citation
<table>
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<th>Ceder, G.</th>
<th>Curtarolo, S.</th>
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<tr>
<td>Source: Measurement Science &amp; Technology 16(1), 296-301.</td>
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<td>Year: 2005</td>
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**Keywords:**
- ab initio calculations
- chemistry
- computing
- computational complexity
- data mining
- physics
- computing very large databases
- ab initio methods
- high-throughput computation
- robust methods
- computational screening
- crystal structure prediction
- iterative algorithm
- computational speed
- large databases

**Dane D Morgan**

- **Groups:**
  - College of Engineering
  - Engineering Physics

**Certainty:** 9
- 1 possible
- 2 candidates

**Verify | Deny**

**David O Morgan**

- **Groups:**
  - College of Letters and Science
  - History

**Certainty:** 0
- 1 possible
- 2 candidates

**Verify | Deny**
We know more and more about Dane D Morgan and verify correct author.
our algorithm falsely suggests Dane D Morgan may have written this... it’s not perfect

really David O Morgan wrote this paper
Eurasian transformations, tenth to thirteenth centuries: Crystallizations, divergences, renaissances.
NameString: Morgan, D.
Source: Speculum-J.Mediev.Stud. 82(1), 158-159.
Year: 2007

David O Morgan

Certainty
50
1 possible
2 candidates
Verify | Deny

Dane D Morgan

Certainty
25
1 possible
2 candidates
Verify | Deny
we know more and more about David O Morgan

humanities citation
We're pretty good at identifying David O Morgan citations now.
Visit the BibApp wiki to read more about our simple author disambiguation process.
OpenURIs
IP “aware” OpenURLs

Cheers to Ross Singer and Ed Summers
IP “aware” OpenURLs

Cheers to Ross Singer and Ed Summers

Magnetic manipulation of copper-tin nanowires capped with nickel ends

Bentley, A.K. Trethewey, J.S. Ellis, A.B. Crone, W.C.


Find It at UW Madison
IP “aware” OpenURLs

Cheers to Ross Singer and Ed Summers

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Magnetic manipulation of copper-tin nanowires capped with nickel ends
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Discover UIUC Full Text
IP “aware” OpenURLs

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Magnetic manipulation of copper-tin nanowires capped with nickel ends
Bentley, A.K. Trethewey, J.S. Ellis, A.B. Crone, W.C.
InfoLink
OCLC OpenURL Resolver Registry

Note: The OpenURL Resolver Registry is now part of the WorldCat Registry. Institutions inside and outside the OCLC cooperative should register their resolver information there.

Goal
OCLC is providing a service for individuals and information partners to maintain OpenURL resolver information in a single location and utilize this information across services in the information industry. OCLC will maintain this registry and provide partners with controlled access to this data to facilitate an improved linking experience for the user. OCLC is committed to delivering OCLC services and library collections at the point of need, meeting the user wherever he or she is searching for information.

Description
The registry includes an OpenURL Resolver Registry for user input of resolver data and a gateway which can redirect OpenURLs to registered resolvers based on the requester’s IP address. The registry contains data from the OCLC FirstSearch administrative module and user contributions.

Users searching for information on a partner’s site, for example, a web search engine, will find an item and click a link to the gateway including an OpenURL to be taken directly to an OpenURL resolver maintained by their home library. The home library’s collection is then surfaced on the open web and the user finds the information he or she needs.
Implementation
Installation
Installation…

• Some Technology know-how required
• Prerequisites:
  - Ruby, RubyGems
  - Java (for Solr)
  - MySQL / Postgres
  - A few gems…
• Download 0.7 now!
Configuration...

- database.yml*
- ldap.yml
- personalize.rb*
- smtp.yml*
- solr.yml*
- sword.yml

* = REQUIRED
Adding Citations
BibApp data flow

Campus Directory

LDAP

Citations
- Web of Knowledge
- PubMed
- Engineering Village

RefWorks

Person view
- Person
- Citations

Archive?

MINDS @UW

Archival rights
- SHERPA RoMEO
Costs at UW-Madison

- Data for College of Engineering
- Bulk citation capture:
  - 30 hours, librarian
  - 80 hours, student
- Bulk paper capture:
  - 70 hours, student
- Ongoing (estimate):
  - 2 hours/week, librarian
  - 2 hours/week, student
Sustainability via RSS Feeds

UW-Madison COE
40-60 new citations a week.

Staff cost? One hour a week.
Demo Items

* Login
  - Sign Up (probably disable on your campus)
  - Tim
  - Tail (?)
  - Forgot Password
  - Remember Me (cookies)
  - Login as System Admin
  - Point out Flash notices
  - Point out "Admin" link on global-nav

* Add Citations (ECE department)
  - Add a batch of citations (can also do cmd line)
  - Display single citation entry forms
  - Show Author | Publication | Publisher lookups

# Transition "added citations, but haven't mapped them to People"

*Add a Person (prep person / data)
  - PenNames (describe what's happening, future added citations)
  - Groups / Memberships
  - Contributorships (manage a few)
  - Archival Analysis (explain)

* SWORD - Add Files
  - Citation / Archive Research
  - IEEE paper
  - Deposit License - Checkbox

* Manage Roles
  - ECE group
  - Add Editor

*Admin Controller
  - Prepare files for archiving
  - Verify / Deny contributorships
Roadmap
Roadmap

• Version 0.8 – Aug ’08
  - Enhancements, upgrades (Rails 2.1)
  - Tagging, Citation Widgets, Highlighting

• Version 0.9 – Oct ’08
  - Export citation styles
  - More input/export formats
  - Themes, FOAF Relationships

• Version 1.0 – Dec ’08
  - Publicly tested / stable

tanakawho: http://www.flickr.com/photos/28481088@N00/
Beyond 1.0

• Input from interested parties…
• Grant funding?
• Help us now:
  - Feedback / Input
  - Feature Requests
  - Programming help?
• Join Google Group
  - http://groups.google.com/group/bibapp

drachmann: http://www.flickr.com/photos/drachmann/
What is BibApp?

The BibApp is a Campus Research Gateway and Expert Finder.

Join us at JCDL 2008 in Pittsburgh, PA for our BibApp tutorial!

BibApp lets you:

- find experts and current collaborations happening on your campus
- promote the research of a department, school, or research group
- increase the impact of campus research
- easily reuse publication data

BibApp matches researchers on your campus with their publication data and allows you to mine the data to see collaborations and to find experts in research areas. BibApp makes it easy to see what publications can be archived for greater access and impact and makes it easy to push those publications directly into an institutional or other repository.

What are the benefits of BibApp?

For researchers, BibApp allows you to:

- promote your research
- find collaborators on campus
- make your research more accessible
- reuse your publication history in other applications

For research groups, departments, and schools, BibApp allows you to:

- promote the range of research in your unit
- understand the collaborations happening within your unit and others on campus
- make the research of your unit more accessible
thanks

University of Wisconsin - Madison
Eric Larson
Dorothea Salo
Allan Barclay
Rebecca Holz
Nathan Vack

University of Illinois at Urbana Champaign
Sarah Shreeves
Tim Donohue
Matt Cordial
Future
1 + 1 = 2
1 bibapp
+2 bibapp

---------------

bibapp
Identity
People create Work
Work cites Work
But, Work *is* People
Who are these People?

[Diagram showing two people with the word 'Work' to the left of the arrow]
Who are these NameString-y People?
ParsCit: An open-source CRF Reference String Parsing Package

This is the home page of the ParsCit project, which performs reference string parsing. It is architected as a supervised machine learning procedure that uses Conditional Random Fields as its learning mechanism. You can download the code below, parse strings online, or send batch jobs to our web service (coming soon!). The code contains both the training data, feature generator and shell scripts to connect the system to a web service.

(used here too).

Some definitions (thanks to Robert Dale):

Reference String:
A text string in the bibliography or reference section of a work, usually at the end of the document that refers to a unique document. Usually occurs with other reference strings that point to other documents. May also appear as footnotes.
Is this NameString familiar?

{  "citation": {  
    "name_strings": [  
      {  
        "name_string": "Vlahos, V.",  
      },  
      {  
        "name_string": "Morgan, D.",  
      },  
      {  
        "name_string": "Booske, J.H.",  
      }  
    ],  
    "title": "Ab-initio Study of the Effects of Thin CsI coatings on the Work Function of Graphite Cathodes",  
    "date": "2007",  
    "volume": "91",  
    "journal": "Applied Phys. Lett.",  
    "pages": "144102"  
  }  
}
Hey BibApp, who is this?

```json
{"citation": {
  "name_strings": [
  {
    "name_string": "Vlahos, V.",
  },
  {
    "name_string": "Morgan, D.",
  },
  {
    "name_string": "Booske, J.H.",
  }
  ]
}}
```
I’m about 75% sure...