

Update on Rice Digital Scholarship Archive Activities



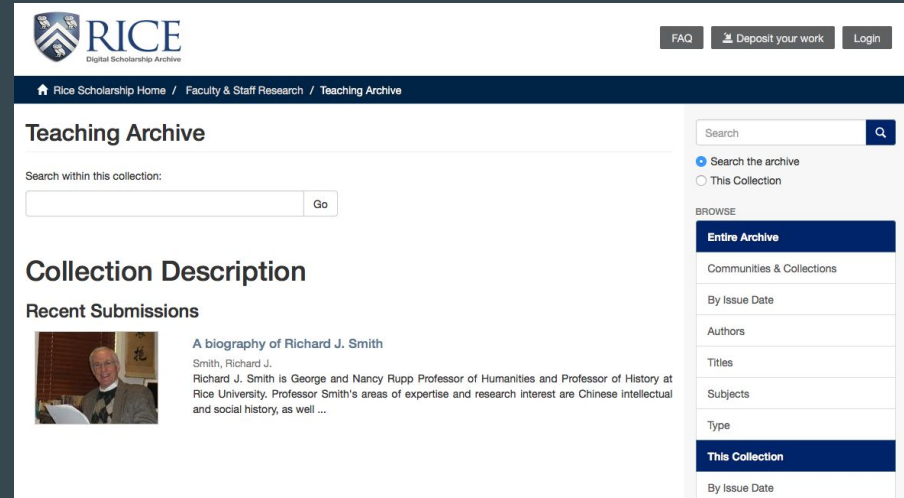
Lisa Spiro, Monica Rivero, Shannon Kipphut-Smith, Sid
Byrd & Ying Jin
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March 29, 2016

Basic Information about RDSA

- **Total items in RDSA: 53,958**
- **Breakdown by content type:**
 - 56% Text
 - 39% Image
 - 5% Other
- **Total pageviews (3/24/2015-3/24/2016): 476,708**
- **Popular collections:**
 - ETDs
 - University Archives and Rice History
 - Faculty & Staff Research

New Collections

- Rice Teaching Archive
 - Collaboration with CTE
 - Initially features teaching materials from:
 - Dr. Rich Smith
 - Dr. Dennis Huston
- Undergraduate Theses
 - Provide access to undergrad research
 - Pilot project with history department



The screenshot displays the Rice Teaching Archive website. At the top left is the Rice University logo with the text "RICE Digital Scholarship Archive". To the right are links for "FAQ", "Deposit your work", and "Login". Below the header is a navigation bar with "Rice Scholarship Home / Faculty & Staff Research / Teaching Archive". The main content area is titled "Teaching Archive" and includes a search bar with a "Go" button. Below this is a "Collection Description" section and a "Recent Submissions" section featuring a thumbnail image of a man and a text description: "A biography of Richard J. Smith. Smith, Richard J. Richard J. Smith is George and Nancy Rupp Professor of Humanities and Professor of History at Rice University. Professor Smith's areas of expertise and research interest are Chinese intellectual and social history, as well ...". On the right side, there is a search bar and a "BROWSE" menu with options like "Entire Archive", "Communities & Collections", "By Issue Date", "Authors", "Titles", "Subjects", "Type", and "This Collection".

Support for Rice Historical Review

- New undergrad history journal
- To be published online & in print
- Will be archived in RDSA

RRICE HISTORICAL REVIEW

[ABOUT US](#)

[CURRENT ISSUE](#)

[SUBMISSIONS](#)

[ARCHIVE](#)

[CONTACT US](#)

Our Mission

This journal seeks to showcase outstanding, historically-focused undergraduate papers at Rice University.

Editorial Board



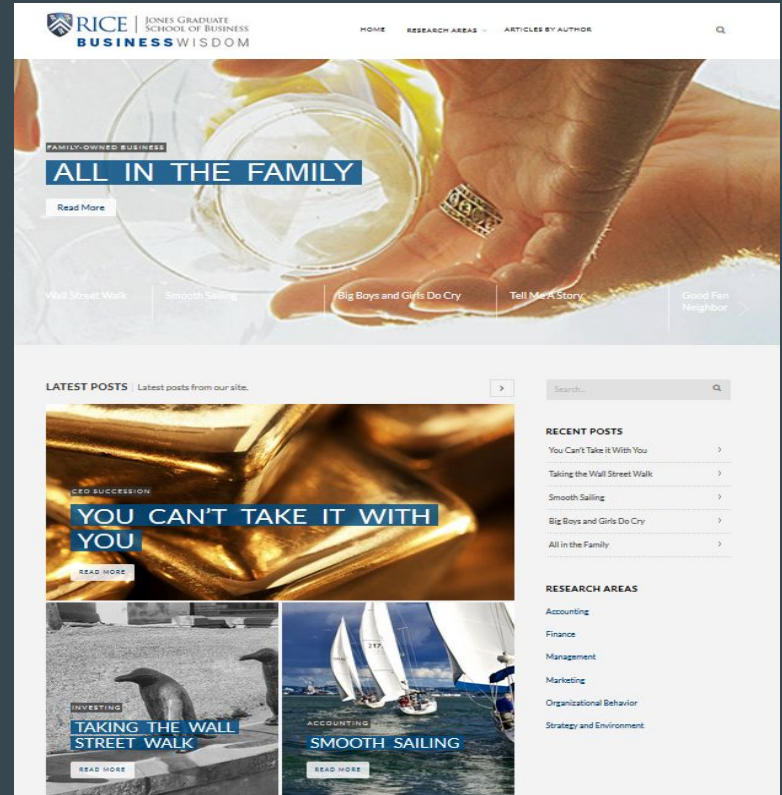
Coming Soon: Pushing Publications from New Faculty Information System (Converis)

- Library a partner, particularly for publications
- Simplifies workflows for faculty adding articles to RDSA

The screenshot displays a Web of Science profile for Dr. Thorsten Hoellrigl. The profile includes a navigation menu on the left with options like Dashboard, Research Output, Activities, Notifications, and Statistics. The main content area shows the user's name, affiliation (Kaisruhe), contact information, and statistics: 12 Publications and 18 Times Cited. A 'Generate CV' dialog box is open on the right, listing various CV components such as ORCID iD, Research Output, and Projects, with checkboxes for selection. Below the dialog, a 'Things to do' section lists tasks like '1 for submission to Web of Science', '2 waiting for completion', and '1 validate your person record'. A 'Recently edited' section shows a list of publications with details like dates, titles, and citation counts. At the bottom, there are two empty boxes labeled 'Publications per type' and 'Publications per year'.

Jones School Collaboration: Business Wisdom at Rice

- Addressing issues related to highlighting research not available to the public (behind publisher paywalls).
- Placing copies of articles referenced in posts (subject to copyright clearance) in IR ahead of publish date. <http://ricebusinesswisdom.com/>



Collaboration with Public Affairs

- Make copies of publications mentioned in press releases available in IR (at time of press release)
- Similar projects at Oregon State University and CalTech



The screenshot shows the Rice University Digital Scholarship Archive interface. At the top left is the Rice logo with the text 'RICE Digital Scholarship Archive'. A dark blue navigation bar contains the text 'Rice Scholarship Home / Faculty & Staff Research / Faculty Publications / View Item'. The main title of the page is 'WATCH: WiFi in Active TV Channels'. Below the title is a thumbnail image of the PDF document. To the right of the thumbnail, the following metadata is displayed: Name: WATCH-Zhang.pdf (with a 'View/Open' link), Size: 1.163Mb, Format: PDF, and Description: Paper. Below the thumbnail, the 'Author' section lists 'Zhang, Xu' and 'Knightly, Edward W.'. The 'Date' section shows '2015'. The 'Description' section contains the text: 'NEWS COVERAGE: A news release based on this journal publication is available online: Rice tests wireless data delivery over active TV channels <http://news.rice.edu/2015/07/13/rice-tests-wireless-data-delivery-over-active-tv-channels/>'. The 'Citation' section provides the full citation: 'Zhang, Xu and Knightly, Edward W.. "WATCH: WiFi in Active TV Channels." *Proceedings of the 16th ACM International Symposium on Mobile Ad Hoc Networking and Computing*, (2015) 1-16. 10.1145/2746285.2746313.'. Finally, the 'Published Version' section shows the DOI: '10.1145/2746285.2746313'.

RICE
Digital Scholarship Archive

🏠 Rice Scholarship Home / Faculty & Staff Research / Faculty Publications / View Item

WATCH: WiFi in Active TV Channels

Name: WATCH-Zhang.pdf [View/Open](#)
Size: 1.163Mb
Format: PDF
Description: Paper

Author
Zhang, Xu
Knightly, Edward W.

Date
2015



Description
NEWS COVERAGE: A news release based on this journal publication is available online: Rice tests wireless data delivery over active TV channels <http://news.rice.edu/2015/07/13/rice-tests-wireless-data-delivery-over-active-tv-channels/>

Citation
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Published Version
doi:10.1145/2746285.2746313

Social Media Outreach

- Promoting collections & items via social media (Twitter & Facebook)
- Tracking relationship between social media posts & IR traffic

Originating Social Network	
Social Network	Sessions
Facebook	398
Diigo 	103
Twitter	92
Sina Weibo	70
Blogger	41
reddit 	38
Stack Overflow	28
WordPress	16
Pinterest	9
LinkedIn	4

Referral Traffic	
Source	Sessions
google	31,667
scholar.google.com	1,520
bing	1,491
yahoo	1,323
rank-checker.online	395
baidu	259
digitalscholarship.lighthouseapp.com	247
facebook.com	221
m.facebook.com	166
scholar.google.co.uk	165

Social Media

Sessions via Social Referral

Shared URL	Sessions	Pageviews	Avg. Session Duration	Pages / Session
1. scholarship.rice.edu/handle/1911/63803	61 (15.33%)	76 (4.26%)	00:00:45	1.25
2. scholarship.rice.edu/	50 (12.56%)	662 (37.15%)	00:03:45	13.24
3. scholarship.rice.edu/handle/1911/5722	30 (7.54%)	91 (5.11%)	00:03:37	3.03
4. scholarship.rice.edu/handle/1911/59041	30 (7.54%)	42 (2.36%)	00:00:17	1.40
5. scholarship.rice.edu/handle/1911/72193	30 (7.54%)	44 (2.47%)	00:01:28	1.47
6. scholarship.rice.edu/handle/1911/87747	23 (5.78%)	23 (1.29%)	00:00:00	1.00
7. scholarship.rice.edu/handle/1911/58956	18 (4.52%)	53 (2.97%)	00:02:54	2.94
8. scholarship.rice.edu/handle/1911/64041	12 (3.02%)	243 (13.64%)	00:10:31	20.25
9. scholarship.rice.edu/handle/1911/59308	10 (2.51%)	11 (0.62%)	00:00:36	1.10
10. scholarship.rice.edu/handle/1911/87763/restricted-resource?bitstreamid=1127286	9 (2.26%)	13 (0.73%)	00:00:23	1.44

Reference Rot = Link Rot + Content Drift

- **Only half** of the nearly 555 URL links cited in Supreme Court opinions since 1996 still work
- Scholarly Context Not Found: **One in Five Articles Suffers** from Reference Rot
- Study of 6,400 e-Theses defended in 2003-2010 at 5 US universities, found **more than one third** of references to the Web subject to 'rot' (35.7%)



RICE NEWS

Press releases



- *IR metadata*
- *Faculty publications*
- *ETDs, etc.*

Perma.cc is a simple way to preserve your links.

Find any URL.



Add it to Perma.cc.



Create a Perma Link.



Cite safely.



Perma.cc ∞

Example

Ongoing improvements to DSpace search*

**based on librarian input*

- Support Phrase Searching (it's back!)
- Refine search by type (new)
- Updating metadata to include any file descriptions

Filters

Use filters to refine the search results.

Type Contai Image

Photograph of Clara Schumann



Name: document.jpg
Size: 50.55Kb
Format: JPEG image
Description: JPG of Clara Schumann
carte de visite

Math ML

New feature

Citation

Tomlinson, Kathy Adiene. "An analog to the heat equation in complex space variables." (1991) Doctoral, Rice University. <http://hdl.handle.net/1911/16489>.

Abstract

Consider the operator

$$\mathbf{P} = \frac{\partial}{\partial t} + \alpha \frac{\partial m}{\partial z m}, \quad \alpha \in \mathbf{C} - \{0\}$$

where $\frac{\partial}{\partial z}$ is the usual complex operator:

$$\frac{\partial}{\partial z} = \frac{1}{2} \left(\frac{\partial}{\partial x} - i \frac{\partial}{\partial y} \right).$$

When $m = 2$ and $\alpha = -1$, \mathbf{P} bears a remarkable resemblance to the heat operator in one space variable. The "only" difference is that the space variable is now complex. In spite of this superficial similarity, \mathbf{P} is quite different from the heat operator. It is neither hypoelliptic nor parabolic. The key result is a formula for a fundamental solution, E . It is obtained formally using Fourier transforms. The formula is a linear combination of Fresnel-like integrals, divided by z and a power of t . It is a C^∞ function except across $t = 0$. It has a

Renders formulas or scientific notations

Rice Faculty sponsored journals

- *Rice Working Papers in Linguistics*
- *Sarmatian Review* back issues 1998 to 2015 (current)

Table of Contents

- Requesting the Context: A Context Analysis of *Let* Statement and *If* Statement Requests and Commands in the *Santa Barbara Corpus of Spoken American English*
Brown, Lynnelle Rhinier
- Using a Relational Database for Data Entry and Analysis
Koth, Anthony
- “I Love You But I Disagree”: Politeness and Pol
Maurey, Samantha and Lisa Jeon
- Fast speech phenomena in Asante Twi
Nelson, Katherine



The Sarmatian Review, Vol., 35, No. 3

Andryczyk, Mark; Grondelski, John M.; O'Keefe, Terrence; Reid, James E.; Trojanowska, Tamara; Urbanowski, Maciej; Zakrzewski, Christopher A.; Ziolkowska-Boehm, Aleksandra (2015-09)

In this issue: Sarmatian Review Data -- Adam Mickiewicz, Pan Tadeusz Book Eleven, translated by Christopher A. Zakrzewski -- Bronislaw Wildstein, Czas niedokonany (reviewed by Ewa Thompson) -- Dariusz Skrczewski, ...

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Rice Electronic Thesis and Dissertations (ETDs)

2015 conferred T/Ds [online](#)

New theme display: browse by degree info, *Ying Jing*

Earth Science geological maps and seismic profiles
Andrew Damico, Scott Carlson, Monica Rivero

Worldcat *Amber Seely / Sid Byrd*

Data management study (forthcoming)

[RDMT](#): *Jean Aroom, Scott Carlson, Shannon Kipphut-Smith, Jun Qian, Monica Rivero, Lisa Spiro, Kathy Weimer, OIT*



Retrospective digitization project

- 1400+ Master Theses
- Span decades 1920's -1970's
- Will be available online in (late) March
- **Interdepartmental effort !**

Kerry Keck (Identified duplicate thesis), James Springer /LSC (transferring volumes), Amber Seely (batch catalog updates), Andrew Damico/students (physical review & packaging), Scott Carlson/Monica Rivero (PDF QC, metadata) Lisa Spiro (proposal), Sara Lowman (budget approval. thanks!)

Vireo 3

Used by students to submit theses

Used by Rice' Graduate and Postdoctoral Studies to manage submissions

Archives to DSpace

New features: ORCID, better email options, Excel reports, manuscript corrections, etc.

DuraCloud

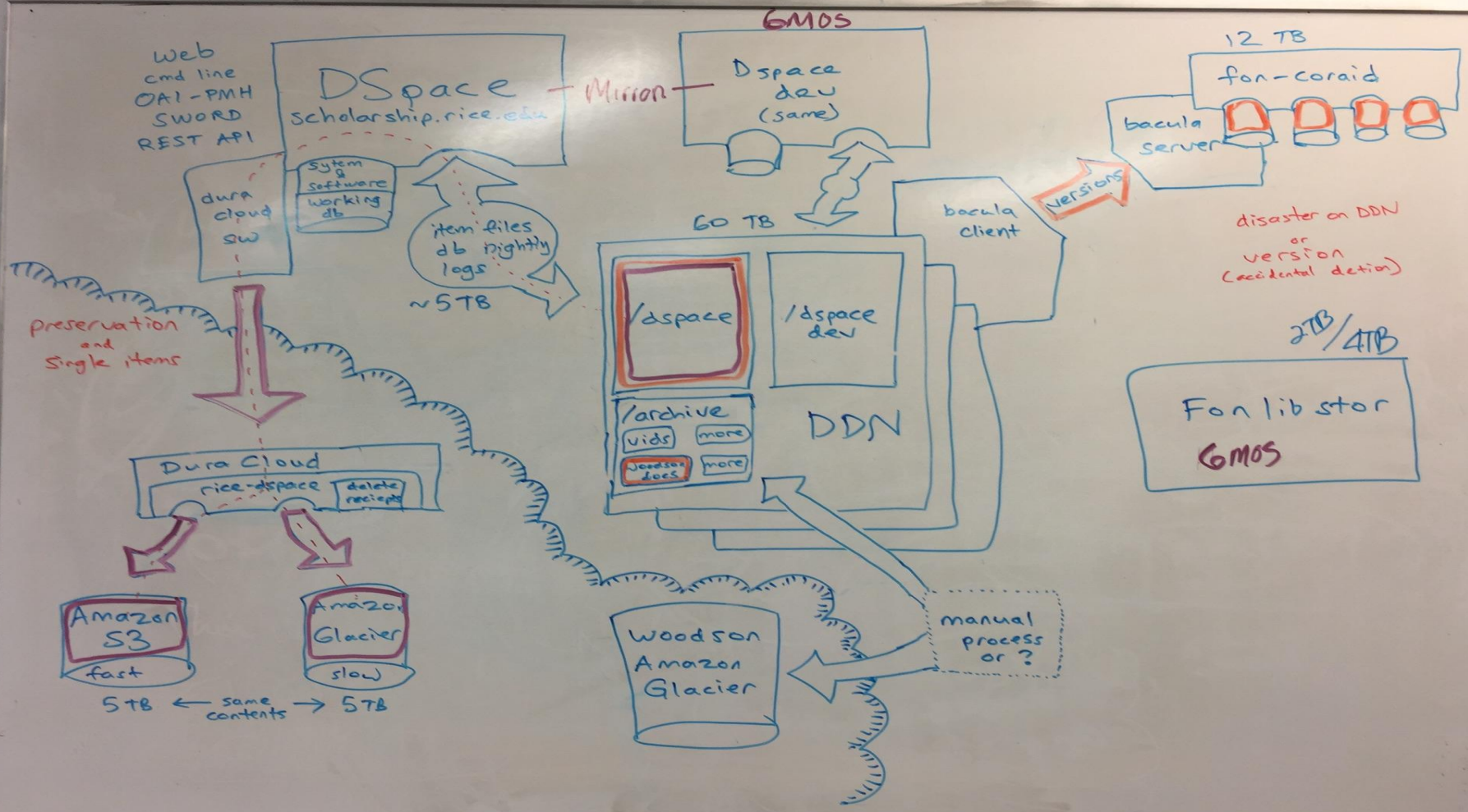
Cloud archival service for content in DSpace

Process:

Convert to AIP (Archival Information Package)

Store in S3

Store in Glacier



DSpace and More

- **Limitations:**
 - Handle all content types the same way
 - Can't handle collections with special structure
 - Can't have customized UI for each collection
- **What we have done:**
 - Djatoka for JPEG2000 viewer
 - JWplayer and HTML5 technology for audio/video streaming
 - Customized UI for Periodical collections
 - Implemented Image gallery for one of image collections

DSpace and More

- More we can do
 - OHMS
 - DSpace to Omeka Plugin

OHMS (Oral History Metadata Synchronizer)

- OHMS is a web-based, open source software developed by University of Kentucky libraries.
 - Improve user experience with online oral history interview by connecting the user from a search result to the corresponding moment in an interview.
 - Example:
 - http://nyx.uky.edu/oh/render.php?cachefile=02OH108RPWCR03_King.xml
 - http://nunncenter.org/OHMS-Viewer/viewer.php?cachefile=2013oh132_ww401_zahn_ohm.xml

DSpace to Omeka Plugin

- Omeka is an open source, web-publishing platform for online digital collections. User friendly and easy to use.
- Plugin
 - Pull metadata of your choice from DSpace to Omeka
 - Keep your contents in DSpace. Links of contents in Omeka. No duplication, save space.

Dashboard

Items

Collections

Item Types

Tags

Dspace Restapi
Harvester

Dspace Restapi Harvester

Search



Data Provider

Base URL

The base URL of the Dspace REST API provider.

[View Collections](#)

Harvests

Base URL	Collection Name	Collection Handle	Status
https://scholarship.rice.edu/rest	BioSciences Publications	1911/78269	Completed Re-Harvest
https://scholarship.rice.edu/rest	Baker Institute Publications (Baker Institute Publications)	1911/20461	Error
https://scholarship.rice.edu/rest	Architecture at Rice University Series	1911/62598	Completed Re-Harvest
https://scholarship.rice.edu/rest	Architecture Department, Rice Institute, 1919-1954 (Forms part of the Watkin architectural records and illustrates Watkin's administrative and teaching roles in the Architecture Department.)	1911/12846	Completed Re-Harvest
https://scholarship.rice.edu/rest	Anderson Aeronautical History collection, 1784-1988 (MS 69)	1911/78914	Completed Re-Harvest

Dashboard

Items

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Dspace Restapi Harvester | Harvest

Search

Data provider: <https://scholarship.rice.edu/rest>

Harvest a collection:

Collection Name	Collection Handle	Number of Items	Harvest
Albert Sherrad Campbell U.S. Civil War journals, 1861-1862 (MS 314)	1911/21891	4	Go
Albert Thomas papers, 1937-1965 (MS 262)	1911/27443	13	Go
Alexander Hobbs U.S. Civil War diary	1911/35295	2	Go
Americas collection, 1811-1920 (MS 518)	1911/35298	6	Go
Anderson Aeronautical History collection, 1784-1988 (MS 69)	1911/78914	7	Go
Andy A. Barentine oil exploration records, 1927-1969 (MS 77)	1911/76436	22	Go
Anne Marie Stewart Turner letters, 1857-1913 (MS 114)	1911/21714	68	Go
Anthropology Publications	1911/69906	27	Go

[Dashboard](#)[Items](#)[Collections](#)[Item Types](#)[Tags](#)[Dspace Restapi
Harvester](#)

Chinese American Citizens Alliance records (Houston Chapter) (MS 606)	1911/75158	22	Go
Chuan-Hua Gershom Lowe, National Party, Chinese diplomat papers, 1923-1996 (MS 588)	1911/75161	4	Go
Civil and Environmental Engineering Publications	1911/68526	51	Go
Clark Bruster World War I Camp Logan collection, 1917-1919 (MS 554)	1911/77368	3	Go
Classical Studies Publications	1911/69898	1	Go
CMC Publications Publications by Rice Faculty and graduate students in multimedia communications	1911/21945	275	Go
Col. Edward M. House correspondence, 1896-1927 (MS 263)	1911/21868	1	Go
Colonel Cyrus Burnet Smith U.S. Civil War papers, 1856-1958, bulk 1856-1896 (MS 411)	1911/87301	3	Go
Computer Science Publications	1911/37143	39	Go
Correspondence Forms part of the William Ward Watkin architectural archive	1911/12396	67	Go
Correspondence and ephemera from Lovett World Tour	1911/70649	14	Go

Dashboard

Items

Collections

Item Types

Tags

Dspace Restapi
Harvester

Dspace Restapi Harvester

Search



Data Provider

Base URL

The base URL of the Dspace REST API provider.

[View Collections](#)

Harvests

Base URL	Collection Name	Collection Handle	Status
https://scholarship.rice.edu/rest	Computer Science Publications	1911/37143	Completed Re-Harvest
https://scholarship.rice.edu/rest	BioSciences Publications	1911/78269	Completed Re-Harvest
https://scholarship.rice.edu/rest	Baker Institute Publications (Baker Institute Publications)	1911/20461	Error
https://scholarship.rice.edu/rest	Architecture at Rice University Series	1911/62598	Completed Re-Harvest
https://scholarship.rice.edu/rest	Architecture Department, Rice Institute, 1919-1954 (Forms part of the Watkin architectural records and illustrates Watkin's administrative and teaching roles in the Architecture	1911/12846	Completed Re-Harvest

[Dashboard](#)[Items](#)[Collections](#)[Item Types](#)[Tags](#)[Dspace Restapi
Harvester](#)

Collection #10: "Computer Science Publications"

Search



Dublin Core

Title Computer Science Publications

Recently Added Items

Mar 28, 2016 [Synthesis from Probabilistic Components](#)

Mar 28, 2016 [DINC: A new AutoDock-based protocol for docking large ligands](#)

Mar 28, 2016 [Mechanism of Graphene Oxide Formation](#)

Mar 28, 2016 [Understanding the challenges of protein flexibility in drug design](#)

Mar 28, 2016 [From Error to Error: Why Voters Could not Cast a Ballot and Verify Their Vote With Helios, Prêt à Voter, and Scantegrity II](#)

Mar 28, 2016 [Non-intrusive Persistence with a Backend NVM Controller](#)

Mar 28, 2016 [Transaction local aliasing in storage class memory](#)

Mar 28, 2016 [On computing minimal independent support and its applications to sampling and counting](#)

Mar 28, 2016 [Drug Target Optimization in Chronic Myeloid Leukemia Using Innovative Computational Platform](#)

Mar 28, 2016 [The Probability of a Gene Tree Topology within a Phylogenetic Network with](#)

[Edit](#)[View Public Page](#)[Delete](#)

Public: Yes Featured: No

Total Number of Items

38

Contributors

- No contributors.

[Dashboard](#)[Items](#)[Collections](#)[Item Types](#)[Tags](#)[Dspace Restapi
Harvester](#)

Dublin Core

Title	Understanding the challenges of protein flexibility in drug design
Language	eng
Volume Number	10
Issue Number	12
URI Identifier	http://hdl.handle.net/1911/88215
Date Issued	2015
Publisher of Physical Copy	Taylor & Francis
DCMI Type	Text
Copyright	This is an author's peer-reviewed final manuscript, as accepted by the publisher. The published article is copyrighted by Taylor & Francis.
Funder	Conselho Nacional de Desenvolvimento Científico e Tecnológico <hr/> National Science Foundation

[Prev Item](#)[Next Item](#)[Edit](#)[View Public Page](#)[Delete](#)

Public: Yes Featured: No

Collection

Computer Science Publications

File Metadata

There are no files for this item yet. [Add a File.](#)

Output Formats

- [atom](#)
- [dcmes-xml](#)
- [json](#)
- [omeka-json](#)
- [omeka-xml](#)

Bibliographic Citation