

11-20-2013

Delivering the Goods: Implementing Web Scale

Michael Kucsak

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Delivering the Goods

Implementing Web Scale

Michael Kucsak

Director of Library Systems and Technology

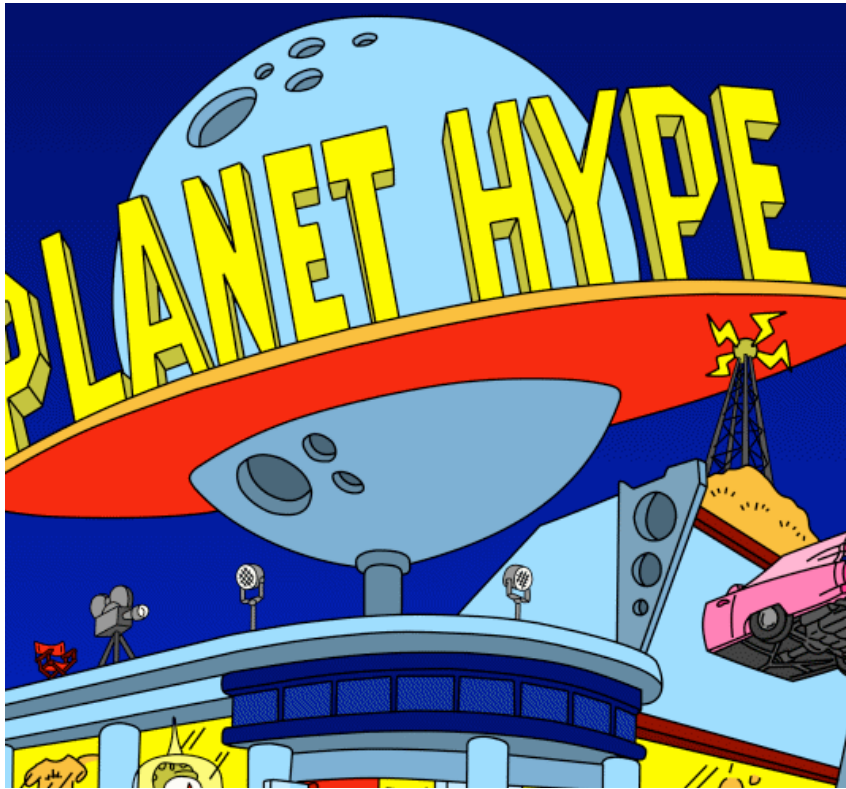
University of North Florida

<http://library.unf.edu>

NISO Virtual Conference November 20, 2013



Promises



- Google-like searching
- ~98.5% coverage of library content
- One click access to full text content
- Everything is better with <insert product here>!!!

3 Keys to a Successful Implementation

1. Support from management
2. Clearly defined goals
3. Diverse implementation team





Support from Management

“We will be using the EDS first and foremost when we search; we will be teaching it first in classes; we will be using it first in one on one instructions; and we will be promoting it at the new service desk. And, we will keep very good statistics on all facets of the pilot.”

An email to all library faculty
from the Associate Dean of the Library



Clearly Defined Goals

1. Primary search tool by September 30, 2011
2. Include all physical and covered eResources
3. Seamless integration with our web site and EZProxy
4. Successful link to full text $\geq 90\%$
5. Staff trained
6. Problem reporting process



Project Scope:

The responsibilities of the team begins with the technical implementation of a functioning, searchable system which provides at least the minimal capabilities documented by the business requirements. A successful implementation will provide for the following:

- Integration with existing systems including CMS and EZProxy
- Training of staff
- Troubleshooting and methods of internal communications
- Reporting and statistics supporting long-term evaluation

The team has complete decision making authority over the implementation of the system. Promotion of the new system will fall under the purview of the Communications Committee.

Goal Statement

Implement the core functionality of the Ebsco EDS as the primary library search tool for the University by September 30. The system will index the library's physical and covered virtual holdings to integrating seamlessly into our existing systems (e.g. CMS and EZProxy) providing end users with enhanced search results and direct access to full-text content online. The library will be able to use EDS first and foremost for searching, teaching and one on one instructions.

Web Scale Implementation

Project Team

Facilitator: Michael Kucsak

Team Members:

Sarah Philips (Director of Public Services)
Jeff Bowen (Director of Technical Services)
Jim Alderman (Head of Instruction)
Alice Eng (eResources Librarian)
Susan Massey (Head of Cataloging)
Lauren Newton (Reference and Instruction Librarian)

Bench Strength:

Robb Waltner (Head of Acquisitions)
Oliver ~~Pesch~~ (Ebsco)
Peter ~~Favazza~~ (Ebsco)

Measures of Success:

A successful implementation will allow users to search and retrieve local and online holdings through the library website on or off campus with full-text links delivering students directly to content at least 90% of the time. Library staff will be trained in basic functionality and able to work with patrons on common technical issues. A system of problem reporting will be in place for all library staff and issues will be recorded for resolution and analysis. Reporting systems will clearly demonstrate any value add to users.

Timeline: The project will be completed by September 30, 2011 with the modification of the CMS site.





Diverse Implementation Team

- Acquisitions
-
- Cataloging
-
- Instruction
-
- Reference
-
- Library Systems
-
- Information Technology
-
- Florida Center for Library Automation
-
- EBSCO Support
-
-





Changes to Make it Work

- Dropped Serials Solutions 360 for EBSCO's LinkSource and A-Z
 - Reduce finger pointing
- Dropped ProQuest for EBSCO Databases
 - Increase reliability of full-text links



Initial Challenges

6. Assessing incentive policies for integrating centralized **solar power** generation in the Brazilian electric **power** system.



Academic
Journal

By: Malagueta, Diego; Szklo, Alexandre; Borba, Bruno Soares Moreira Cesar; Soria, Rafael; Aragão, Raymundo; Schaeffer, Roberto; Dutra, Ricardo. *Energy Policy*. Aug2013, Vol. 59, p198-212. 15p. DOI: 10.1016/j.enpol.2013.03.029. , Database: Business Source Complete

Abstract: This study assesses the impacts of promoting, through auctions, centralized **solar power** generation (concentrated **solar power** – CSP, and photovoltaic **solar** panels – PV) on the Brazilian ...

Subjects: **SOLAR power** plants; ENERGY policy; ELECTRIC **power** production; INVESTMENTS; MATHEMATICAL optimization; BRAZIL; Fossil Fuel Electric **Power** Generation; Regulation and Administration of Communications, Electric, Gas, and Other Utilities; Investment Advice; Miscellaneous Financial Investment Activities; **Solar** Electric **Power** Generation; **Power** and Communication Line and Related Structures Construction; PHOTOVOLTAIC **power** generation





Searching: UNF OneSearch

UNF Library

Keyword ▾ solar AND power × Search ?

Basic Search Advanced Search Search History

<<



Detailed Record



Full Text through
LinkSource

Related Information

Additional Resources

Find Similar Results

using SmartText Searching.

◀ Result List | Refine Search ◀ 7 of 1,150,867 ▶

Assessing incentive policies for integrating centralized **solar power** generation in the Brazilian electric **power** system.

Authors: Malagueta, Diego¹ diegomalagueta@yahoo.com.br
Szklo, Alexandre¹
Borba, Bruno Soares Moreira Cesar²
Soria, Rafael¹
Aragão, Raymundo¹
Schaeffer, Roberto¹
Dutra, Ricardo¹

Source: Energy Policy. Aug2013, Vol. 59, p198-212. 15p.

Document Type: Article

Subject Terms: ***SOLAR power** plants
*ENERGY policy
*ELECTRIC **power** production
*INVESTMENTS
*MATHEMATICAL optimization
PHOTOVOLTAIC **power** generation

Geographic Terms: BRAZIL

NAICS/Industry 221112 Fossil Fuel Electric **Power** Generation

Codes: 926130 Regulation and Administration of Communications, Electric, Gas, and Other Utilities

523930 Investment Advice

523999 Miscellaneous Financial Investment Activities

221114 **Solar** Electric **Power** Generation

237130 **Power** and Communication Line and Related Structures Construction

Abstract: Abstract: This study assesses the impacts of promoting, through auctions, centralized **solar power** generation (concentrated **solar power** – CSP, and photovoltaic **solar** panels – PV) on the Brazilian **power** system. Four types of CSP plants with parabolic troughs were simulated at two sites, Bom Jesus da Lapa and Campo Grande, and PV plants were simulated at two other sites, Recife and Rio de Janeiro. The main parameters obtained for each plant were expanded to other suitable sites in the country (totaling 17.2GW in 2040), as inputs in an optimization model for

Tools

Add to folder

Print

E-mail

Save

Cite

Export

Create Note

Permalink

Bookmark

Initial Challenges

81. Performance of Remote Solar Thermal Power Plants.



Conference

By: Claflin, J; Leonard, R; Rogers, D; Urrutia, F. In: *Engineering Our Future: Are We up to the Challenge?: 27 - 30 September 2009, Burswood Entertainment Complex. Barton, ACT: Engineers Australia, 2009: [1460]-[1476].* , Database: Informit Engineering Collection

Solar power options have been developed to produce electricity for remote communities and mineral processing plants throughout Australia for an ongoing cost of just cents per kWh. Major advantage...

Subjects: **Solar power** plants; Electric power production -- Costs; **Solar** thermal energy; Electric power distribution -- Australia



[Not Available--Check for Other Options](#)





Initial Challenges

Title: Performance of Remote Solar Thermal Power Plants.

Source: Claflin, J. *Engineering Our Future: Are We up to the Challenge?: 27 - 30 September 2009, Burswood Entertainment Complex* (2009-01-01) p. [1460]-[1476]. ISBN: 9780-858259225

[REVISE REQUEST](#)

Resources Located for this Citation

Not Available Online -- Check for Other Options

[AZ](#) [Check A-to-Z e-resource list.](#)





Simple Design Philosophy

Connect our patrons to the
knowledge they seek with as little
effort on their part as possible



Solutions: Always Provide a link

6. Assessing incentive policies for integrating centralized solar power generation in the Brazilian electric power system.



Academic
Journal

By: Malagueta, Diego; Szklo, Alexandre; Borba, Bruno Soares Moreira Cesar; Soria, Rafael; Aragão, Raymundo; Schaeffer, Roberto; Dutra, Ricardo. *Energy Policy*. Aug2013, Vol. 59, p198-212. 15p. DOI: 10.1016/j.enpol.2013.03.029. , Database: Business Source Complete

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[Full Text through LinkSource](#)



Solutions: Always provide an option

81. Performance of Remote Solar Thermal Power Plants.



Conference

By: Claflin, J; Leonard, R; Rogers, D; Urrutia, F. In: *Engineering Our Future: Are We up to the Challenge?: 27 - 30 September 2009, Burswood Entertainment Complex. Barton, ACT: Engineers Australia, 2009: [1460]-[1476].* , Database: Informit Engineering Collection

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Subjects: **Solar power** plants; Electric power production -- Costs; **Solar** thermal energy; Electric **power** distribution -- Australia



[Not Available--Check for Other Options](#)

Solutions: Always provide an option

Title: Performance of Remote Solar Thermal Power Plants.

Source: Claflin, J. *Engineering Our Future: Are We up to the Challenge?: 27 - 30 September 2009, Burswood Entertainment Complex* (2009-01-01) p. [1460]-[1476]. ISBN: 9780-858259225

[REVISE REQUEST](#)

Resources Located for this Citation

Not Available Online -- Check for Other Options



[Search Florida University Libraries](#)



[Request this item through ILLiad \(Interlibrary Loan Service\)](#)



[Check A-to-Z e-resource list.](#)



Solutions: Always provide an option

UNF Thomas G. Carpenter Library

ILLiad - Interlibrary Loan and Document Delivery

Library Home Search Library Catalog Addresses/Phones Hours University of North Florida

Enter information below and press the Submit Request button to send.

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- New Request
 - Photocopy
 - Loan
 - Other (Free Text)
- View
 - Outstanding Requests
 - Electronically Received Articles
 - Checked Out Items
 - Cancelled Requests
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Please do not abbreviate unless your citation is abbreviated

Book Author/Editor

Place of Publication

Publisher

Year

Edition

* Inclusive Pages

ISSN/ISBN (International Standard Serial/Book Number)
If given will speed request processing

Call Number

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Chapter Author

Chapter Title

* Not Wanted After Date
(MM/DD/YYYY)

Will you accept the item in a language other than English?
If yes, specify acceptable languages in the notes field.

Account Number

Notes
Put any information here that may help us find the item, as well as any other pertinent information.

Where did you learn about this item?

Where did you find this item cited?
Please specify database name (examples are Psycinfo or ProQuest Medical), or a specific journal, book, or online source.

* Indicates required field

Engineering Our Future: Are We up to the Challenge?: 27 - 30 September 2009,

Claflin, J.

20090101

[1460]-

9780858259225

Claflin, J.

Performance of Remote Solar Thermal Power Plants.

04/12/2014

No

EBSCO:edsiee

Solution: Integrate core tools



Result List | Refine Search | 7 of 1,150,867

Assessing incentive policies for integrating centralized **solar power** generation in the Brazilian electric **power** system.

Authors: Malagueta, Diego¹ diegomalagueta@yahoo.com.br
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Geographic Terms: BRAZIL

NAICS/Industry: 221112 Fossil Fuel Electric **Power** Generation
Codes: 926130 Regulation and Administration of Communications, Electric, Gas, and Other Utilities
523930 Investment Advice
523999 Miscellaneous Financial Investment Activities

Tools >>

- Add to folder
- Print
- E-mail
- Save
- Cite
- Export
- Create Note
- Permalink
- Bookmark

Detailed Record

Full Text through LinkSource

TOOLS - Ulrichweb

Related Information


Additional Resources

Find Similar Results
using SmartText Searching.



Solution: Integrate core tools

Ulrichsweb

**ULRICHSWEB™**
GLOBAL SERIALS DIRECTORY


SerialsSolutions®
A ProQuest Company
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Thomas G. Carpenter Library

--Select Language--

Search Workspace Ulrich's Update Admin

Enter a Title, ISSN, or search term to find journals or other periodicals:



[Advanced Search](#)

[LinkSource](#)

Search UNF Library Catalog: [ISSN Search](#) | [Title Search](#)

Title Details Table of Contents

Related Titles

[Alternative Media Edition \(2\)](#)

Lists


[Marked Titles \(0\)](#)

Search History

[PR Newswire US - \(4304\)](#)

Basic Description

Title	Energy Policy
ISSN	0301-4215
Publisher	Elsevier Ltd
Country	United Kingdom
Status	Active
Start Year	1973
Frequency	12 times a year
Volume Ends	# 15
Language of Text	Text in: English
Refereed	Yes
Abstracted / Indexed	Yes
Serial Type	Journal
Content Type	Academic / Scholarly
Format	Print





Web Scale vs ILS

1. Eliminate MARC serial data loads
2. ILS access through a widget in the EDS results page (auto-populated)

Result List: TI engineering our future: UNF OneSearch

ehis.ebscohost.com/eds/results?sid=23b7d54f-4324-46d9-bf58-1d8e034c1b81%40sessionmgr12&vid=14&hid=8&bquery=TI+(engir

Sign In Folder Preferences Ask-A-Librarian Languages New Features Help

New Search Multimedia A-to-Z Publications Database Locator Course Reserves

UNF Library

Searching: UNF OneSearch

Title engineering our future Search

Basic Search Advanced Search Search History

Refine Results

Current Search

Find all my search terms:

TI engineering our future

Expanders

Also search within the full text of the articles

Limit To

☐ Full Text

☐ Peer Reviewed

☐ Catalog Only

1931 Publication Date 2013

Show More

Source Types

☒ All Results

☐ Magazines (37)

☐ Academic Journals (28)

☐ News (21)

☐ Books (10)

☐ Trade Publications (3)

Show More

Subject

Publisher

Search Results: 1 - 30 of 117

Relevance Page Options Share

1. 'We must build for our future'; ENGINEERING

Daily Mirror, The (London, England) , June 7, 2013 News 01, eirs, p. 21 1pp, Database: NewsBank

News

PARTY politics should not get in the way of developing the country's infrastructure, it was warned yesterday. President of Engineers Ireland Michael Phillips said short-term thinking must be put ...

Not Available--Check for Other Options

2. Richard Knight

/ 39222001941074.tifPhysical Description: 5 x 7 inches. , Database: OAlster

Date original:1947-1966

Electronic Resource

View this record from OAlster

3. PSP: anti-NAVO manifestatie, 24 maart 1979

, Database: OAlster

Dutch

Electronic Resource

View this record from OAlster

4. Investing in Our Future. Science, Mathematics, Engineering, and Technology Education. Report of the FY 1994 Budget Summary. FCCSET Committee on Education and Human Resources.

By: Federal Coordinating Council for Science, Engineering and Technology, Washington, DC.. 1994 56 pp. (ED072960)

Full Text from ERIC , Database: ERIC

This is a report produced by the Committee on Education and Human Resources (CEHR) of the Federal Coordinating Council for Science, Engineering, and Technology (FCCSET) to supplement President Cl...

Subjects: Educational Change; Engineering Education; Federal Government; Federal Programs; Higher Education; Mathematics Education; Science Education; Secondary Education; Technology Education

5. Remarkable Stabilization of Self-Assembled Organogels by Polymerization

, Database: OAlster

Search State University Libraries

UBORROW

TI engineering our future

Search

performance of Phrase not found Highlight All Match Case

Web Scale vs ILS

1. Eliminate MARC serial data loads
2. ILS access through a widget in the EDS results page (auto-populated)
3. **Direct upload of e-content into EDS NOT ILS**

Content Provider

X

<input type="checkbox"/>	Regional Business News	7,529,103
<input type="checkbox"/>	RILM Abstracts of Music Literature	93,340
<input type="checkbox"/>	Science Citation Index	15,412,869
<input type="checkbox"/>	ScienceDirect	6,268,437
<input type="checkbox"/>	Senior High Core Collection (H.W. Wilson)	40,008
<input type="checkbox"/>	Social Sciences Citation Index	3,110,783
<input type="checkbox"/>	SocINDEX with Full Text	1,612,900
<input type="checkbox"/>	SPORTDiscus with Full Text	899,626
<input type="checkbox"/>	UNF Catalog	662,236
<input type="checkbox"/>	UNF Digital Commons	2,000
<input type="checkbox"/>	UNF eBook Collection	92,035

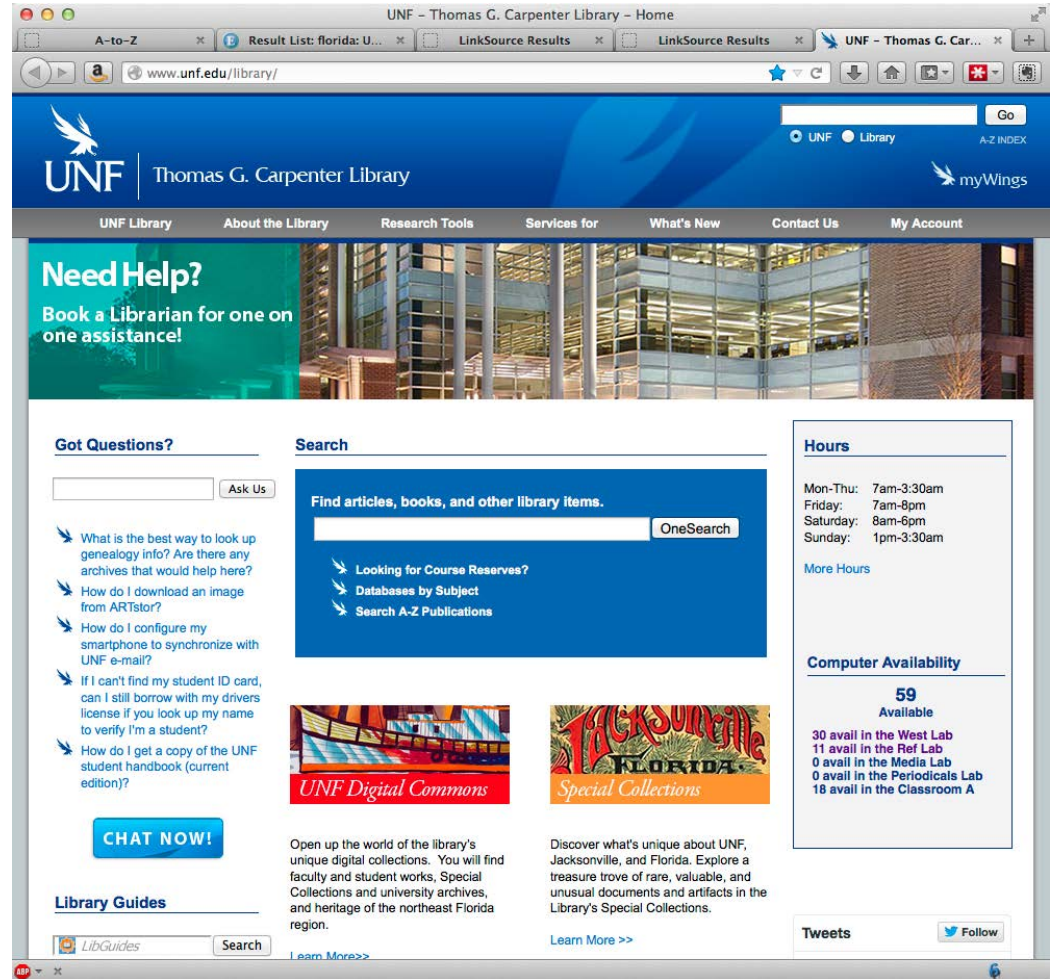
Update

Cancel



Web Scale vs ILS

1. Eliminate MARC serial data loads
2. ILS access through a widget in the EDS results page (auto-populated)
3. Direct upload of e-content into EDS NOT ILS
4. **EDS as primary search tool on library home page**





Testing

1. Inspected thousands of search results
2. Analyzed individual content provider reliability
3. Examined link resolver performance
4. Confirmed remote access performance

Achieved 90% reliability!





Training

1. EBSCO provided onsite training
2. Library Systems/Instruction trained staff about the mechanics
3. Library Instruction trained librarians, students and faculty on how to use the tool





One Place.
One Click.
One Search.

One|Search

Find UNF Library resources from a single search box.

www.unf.edu/OneSearch

One Place.
One Click.
One Search.

One|Search



OneSearch allows you to find most of the UNF Library resources from a single search box. The search combines the library's catalog and many databases into one database so your search is faster, and more thorough.

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- ✓ Newspaper Articles
- ✓ And much more!



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eBooks

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Newspaper Articles

And much more!

Connect.
Explore.
Soar.

Provided by the
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www.unf.edu/OneSearch

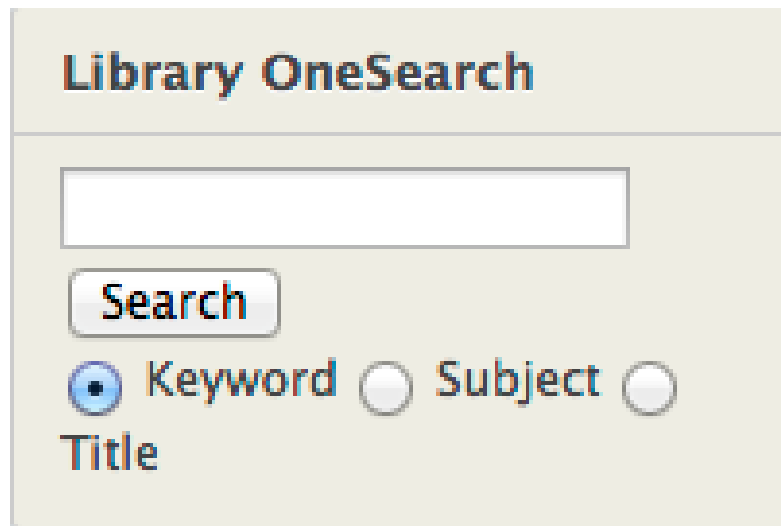
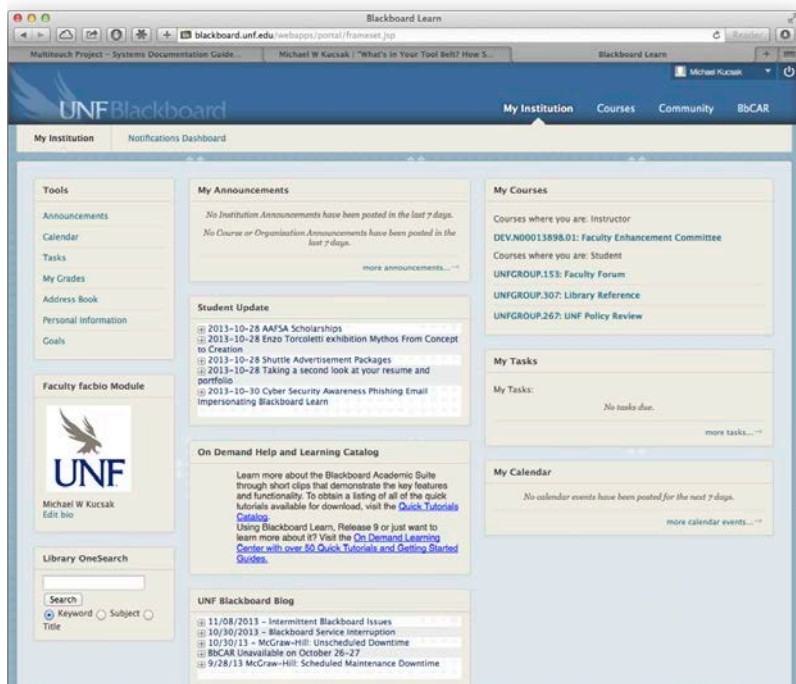
Marketing



Thomas G. Carpenter
Library

Blackboard Integration

Blackboard Home Screen



Blackboard Integration

The screenshot displays the Blackboard Learn web application. The browser address bar shows the URL <https://blackboard.unf.edu/webapps/portal/frameset.jsp>. The page header includes the UNF Blackboard logo and navigation links: My Institution, Courses, Community, and BbCAR. A user profile for Michael Kucak is visible in the top right corner. Below the header is a search bar with a search button and radio buttons for Keyword, Subject, and Title. A pagination bar shows results 1 through 4182, with the current page being 1. The search results list three items:

- Solar Power [electronic resource (video)] : World's Toughest Fixes, Season 2 / National Geographic Television & Film.**
Summary: Grab your sunglasses: we're going to harness the sun to drive two new solar reflective power towers in the United States. This show is definitely not for the superstitious as master rigger Sean Riley joins a crew lifting two 65-ton boilers 160 feet up to two towers and suspending them above 24,000 mirrors - completing America's first large scale solar power tower. Pioneering science in the race to compete with fossil fuels, this project may redefine solar energy and promise a bright career for all of these engineers. But expectations are high and the crew is learning as they go. Weeks behind schedule, the plan is constantly changing. As if things weren't stressful enough, the sea of mirrors always looms and the threat of being cooked alive. One slip up and it's going to be way more than seven years bad luck.
Films for the Humanities & Sciences (Firm)
Films Media Group.
National Geographic Television & Film.
- Assessing incentive policies for integrating centralized solar power generation in the Brazilian electric power system.**
Malagueta, Diego1 diegomalagueta@yahoo.com.br; Szklo, Alexandre1; Borba, Bruno Soares Moreira Cesar2; Soria, Rafael1; Aragão, Raymundo1; Schaeffer, Roberto1; Dutra, Ricardo1
Energy Policy. Aug2013, Vol. 59, p198-212. 15p.
Abstract: This study assesses the impacts of promoting, through auctions, centralized solar power generation (concentrated solar power ? CSP; and photovoltaic solar panels ? PV) on the Brazilian power system. Four types of CSP plants with parabolic troughs were simulated at two sites, Bom Jesus da Lapa and Campo Grande, and PV plants were simulated at two other sites, Recife and Rio de Janeiro. The main parameters obtained for each plant were expanded to other suitable sites in the country (totaling 17.2GW in 2040), as inputs in an optimization model for evaluating the impacts of the introduction of centralized solar power on the expansion of the electricity grid up to 2040. This scenario would be about USD\$ 185 billion more expensive than a business as usual scenario, where expansion solely relies on least-cost options. Hence, for the country to incentivize the expansion of centralized solar power, specific auctions for solar energy should be adopted, as well as complementary policies to promote investments in R&D and the use of hybrid systems based on solar and fuels in CSP plants. [Copyright &y& Elsevier]
- SOLAR POWER WORLDWIDE.**
Mechanical Engineering. Mar2013, Vol. 135 Issue 3, p14-15. 2p.
The article presents information on a project by the Institute of Electrical and Electronics Engineers' Community Solutions Initiative group, which aims to provide solar energy across the globe through its solar power stations in trailers, called SunBlazers. The group's goal is to provide electricity for as many 40 million individuals by 2020. Features of the SunBlazers solar power stations are presented.



Multi-Touch Surface





Summary

- Links to full text
- Auto-populate ILLiad
- Ulrichs integration
- Union catalog widget
- Guest default/JIT EZProxy
- Available in the Library by default
- Commitment to EDS
- EBSCO link resolver/A-Z
- EBSCO content
- EBSCO marketing
- Eliminated MARC loads
- Pushed reliable vendors to the top
- Made vendors work for their \$\$\$



Fruits of our Labor

- 107% increase full text downloads
- >40% reduction in ILL
- Collaborated with CS student senior projects
- Opportunities to build partnerships
- EBSCO Success story
- Jacksonville BizJournal Tech Innovation Award



Thank you

Questions?

Michael Kucsak

Director of Library Systems and Technology

University of North Florida

NISO Virtual Conference November 20, 2013



Thomas G. Carpenter
Library