

Institutional Repositories: Why they are important for African Research

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WHAT

What Exactly is an Institutional Repository?

UCT CS Research
Document Archive

Home || About || Browse || Search || Register || User Area || Help

Welcome to UCT CS Research Document Archive



Welcome to the <u>UCT Computer</u>
<u>Science</u> Research Document
Archive, which archives and makes accessible documents that are products and by-products of research in the department.

Search the Titles, Authors, Abstracts and Keywords:

Search

Browse

Browse the archive by Subject, Year, Lab or Type.

Latest Additions

View items added to the archive in the past week.

Simple Search

Search the archive using the most common fields.

- ☑ Collection of researchrelated documents
- Author self-submission
- Checking of submissions
- Archive-everything!
- Hierarchical browsing
- Simple and fielded searching
- ☑ OAI-PMH compliance



WHY

because of Direct access from GOOGLE 1/3



Web

Results 1 - 10 of about 73 for suleman fox madalli. (0.59 seconds)

UCT CS Research Document Archive - Digital Libraries

Digital Libraries. **Fox**, Edward A., Hussein **Suleman**, Devika **Madalli** and Lillian Cassel (2003) Digital Libraries, in Practical Handbook of Internet Computing. ... pubs.cs.uct.ac.za/archive/00000016/ - 6k - <u>Cached</u> - <u>Similar pages</u>

UCT CS Research Document Archive - Design and Implementation of ...

Suleman, Hussein, Edward A. **Fox** and Devika **Madalli** (2003) Design and Implementation of Networked Digital Libraries: Best Practices. ... pubs.cs.uct.ac.za/archive/00000017/ - 6k - <u>Cached</u> - <u>Similar pages</u> [More results from pubs.cs.uct.ac.za]

Documentation Research and Training Centre: Items for Author ...

... 2003, Design and Implementation of Networked Digital Libraries: Best Practices, Hussein, **Suleman**; **Fox**, Edward A.; **Madalli**, Devika P. ... https://drtc.isibang.ac.in/ items-by-author?author=Madalli%2C+Devika+P. - 10k - Cached - Similar pages

Documentation Research and Training Centre: Items for Author Fox ...

... Date of Issue, Title, Authors. 2003, Design and Implementation of Networked Digital





because of Direct access from GOOGLE 2/3

UCT CS Research Document Archive

Home || About || Browse || Search || Register || User Area || Help

Digital Libraries

Fox, Edward A., Hussein Suleman, Devika Madalli and Lillian Cassel (2003) Digital Libraries, in Practical Handbook of Internet Computing. CRC Press.

Full text available as:

PDF - Requires Adobe Acrobat Reader or other PDF viewer.

EPrint Type: Book Chapter

H Information Systems: H.0 GENERAL

H Information Systems: H.1 MODELS AND PRINCIPLES

Subjects: H Information Systems: H.3 INFORMATION STORAGE AND RETRIEVAL

A General Literature: A.1 INTRODUCTORY AND SURVEY

H Information Systems: H.4 INFORMATION SYSTEMS APPLICATIONS

ID Code: 16

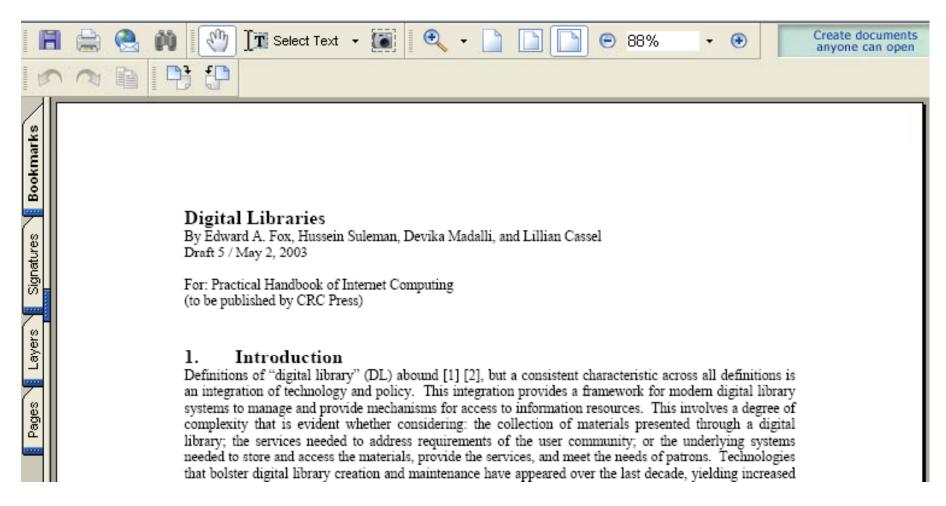
Deposited By: Suleman, Hussein

Deposited On: 11 July 2003





because of Direct access from GOOGLE 3/3







because of the No of ACCESSES from Google

- 1734 hits directly from Google in March 2007.
- Example:
 - http://www.google.com/search?q=questionnaire+sy stem+UML
 - Kritzinger, Pieter, Marshini Chetty, Jesse Landman, Michael Marconi and Oksana Ryndina (2003) ChattaBox: A Case Study in Using UML and SDL for Engineering Concurrent Communicating Software Systems. In Proceedings Southern African Telecommunications Networks and Applications Conference, George, South Africa.





because academics can manage a research OVERVIEW

2004

Conference Paper

 Arnab, Alapan and Andrew CM Hutchison (2004) Digital Rights Management - An Overview of current challenges and solutions. In Venter, HS, JHP Eloff, L Labuschagne and MM Eloff, Eds. Proceedings Information Security South Africa (ISSA), Gallagher Estate, Midrand, South Africa.

Conference Poster

 Landman, Jesse and Pieter Kritzinger (2004) DS-CDMA Fading Channels with Bursty IP Traffic Arrivals. In Proceedings WiOpt 2004, Cambridge, England.

Departmental Technical Report

- Arnab, Alapan and Andrew Hutchison (2004) Digital Rights Management A current review. Technical Report CS04-04-00, Department of Computer Science, University of Cape Town.
- de Wet, Nico Dirk and Pieter S. Kritzinger (2004) Model-Based EIS Performability Analysis. Technical Report CS04-01-00, Department of Computer Science, University of Cape Town.
- Perumal, Sameshan and Pieter Kritzinger (2004) A Tutorial on RAID Storage Systems. Technical Report CS04-05-00, Department of Computer Science, University of Cape Town.





because WEB pages are not sufficient

■ Problems:

- Persistence will the documents always be there?
- Authority can we trust the authenticity of the website?
- Standards are the formats and metadata the same across all websites?
- Discovery how do we find these documents? Google?



because of REPORTING

- You can create a departmental or university listing of all research output.
- Where copyright does not allow, include just a citation – no files – for completeness.

NDLTD Union Catalog Project

Suleman, Hussein (2004) NDLTD Union Catalog Project, in Fox, Edward A., Shahrooz Feizabadi, Joseph M. Moxley and Christian R. Weisser, Eds. Electronic Theses and Dissertations: A Sourcebook for Educators, Students, and Librarians, chapter 6, pages 73-77. Marcel Dekker, Inc..

Full text available as:

EPrint Type: Book Chapter

Subjects: H Information Systems: H.4 INFORMATION SYSTEMS APPLICATIONS

ID Code: 14

Deposited By: Suleman, Hussein



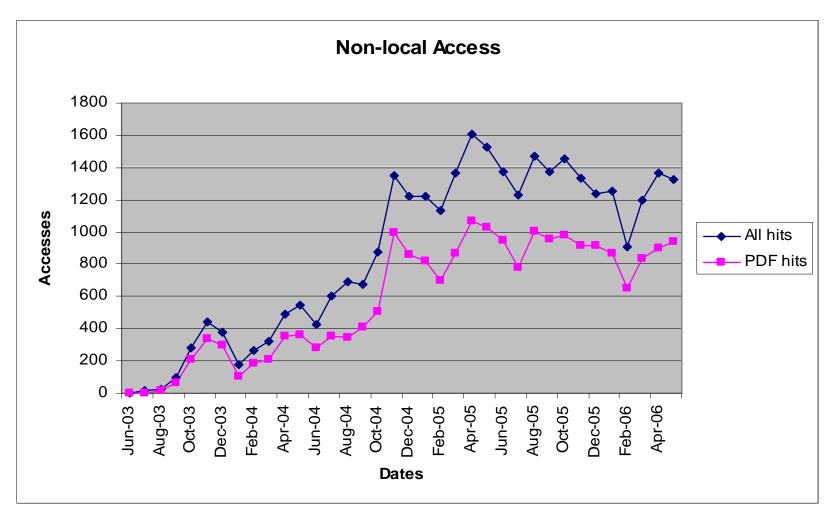


because of SHARING

- Most Institutional Repositories are compliant with Open Archives Initiative's Protocol for Metadata Harvesting (OAI-PMH) v2.0.
- Metadata can be freely harvested by any service provider, e.g., search engines.
- Thus more people know what you have and can find it easily.



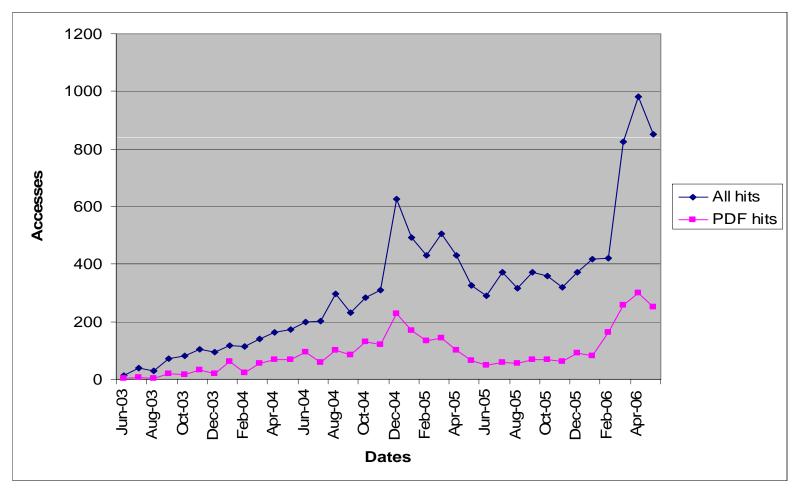
because of how many USERS we get







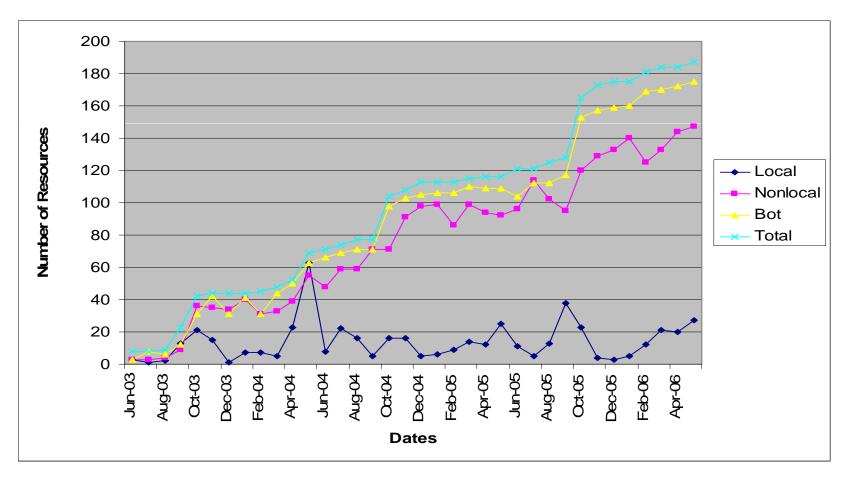
because of no. of SEARCH ENGINES we get







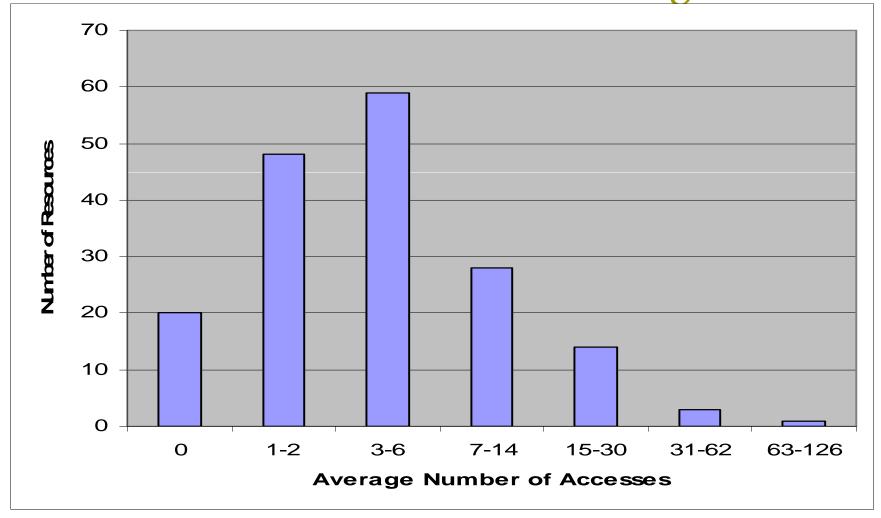
because of how many RESOURCES get viewed







because of how OFTEN resources get viewed







because SUBJECT repositories failed

In the 90's subject archives were popular e.g., arXiv, RePEc, NCSTRL.

■ Problems:

- Sustainability repositories run by organisations with limited funding.
- Development skill staff needed to develop and maintain all software needed to run the archive.
- Should the archive be centralised or distributed?
- Owner of data was not best provider of services.





because COPYRIGHT is changing in our favour

- Most society publishers will allow archiving on a website or IR e.g., ACM
- Most commercial publishers allow archiving on a website or IR after some time (typically 12-24 months), if not immediately.
- Newer commercial publisher agreements make greater allowance for IRs.
- You can always negotiate with a publisher!



because 400000 ETDs are already out there

OCLC ONLINE COMPUTER LIBRARY CENTER

A Project of OCLC Research

XTCat NDLTD NDLTD Union Catalog



Identify | GetRecord | ListIdentifiers (Resumption) | ListMetadataFormats | ListRecords (Resumption) | ListSets

responseDate 2007-11-04T13:20:01Z

request http://alcme.oclc.org/ndltd/servlet/OAIHandler?verb=ListSets

ListSets

setSpec	setName	DC record count
<u>ADTP</u>	Australiasian Digital Theses Program	30853
AUCKLAND	University of Auckland	375
$\underline{\mathbf{BGMYU}}$	Brigham Young University Theses	910
BICBF	Bibliothèque interuniversitaire de la Communauté française de Belgique	880
CALTECH	California Institute of Technology	3776
CCSD	CCSD theses-EN-ligne, France	7936
CRANFIELD	Cranfield University	109





HOW

Set up Infrastructure

- Task for: ICT / Libraries.
- Acquire software (EPrints, DSpace, etc.).
- Test installation.
- Acquire hardware.
- Install and configure IR.
- Integrate into campus websites.
- Perform ongoing maintenance.





Convince Academics

- Leadership from senior management.
- Arm-twisting + Ego.
- Rewards.
- Payments for submission.
- Generate reports from IR.
- Link IR prominently.
- Work with younger, more dynamic, staff.



Discussion...

to find me, search on Google or Facebook for "hussein suleman"