



Open Access to Scholarly Publications

A Brief Introduction



Definition of open access

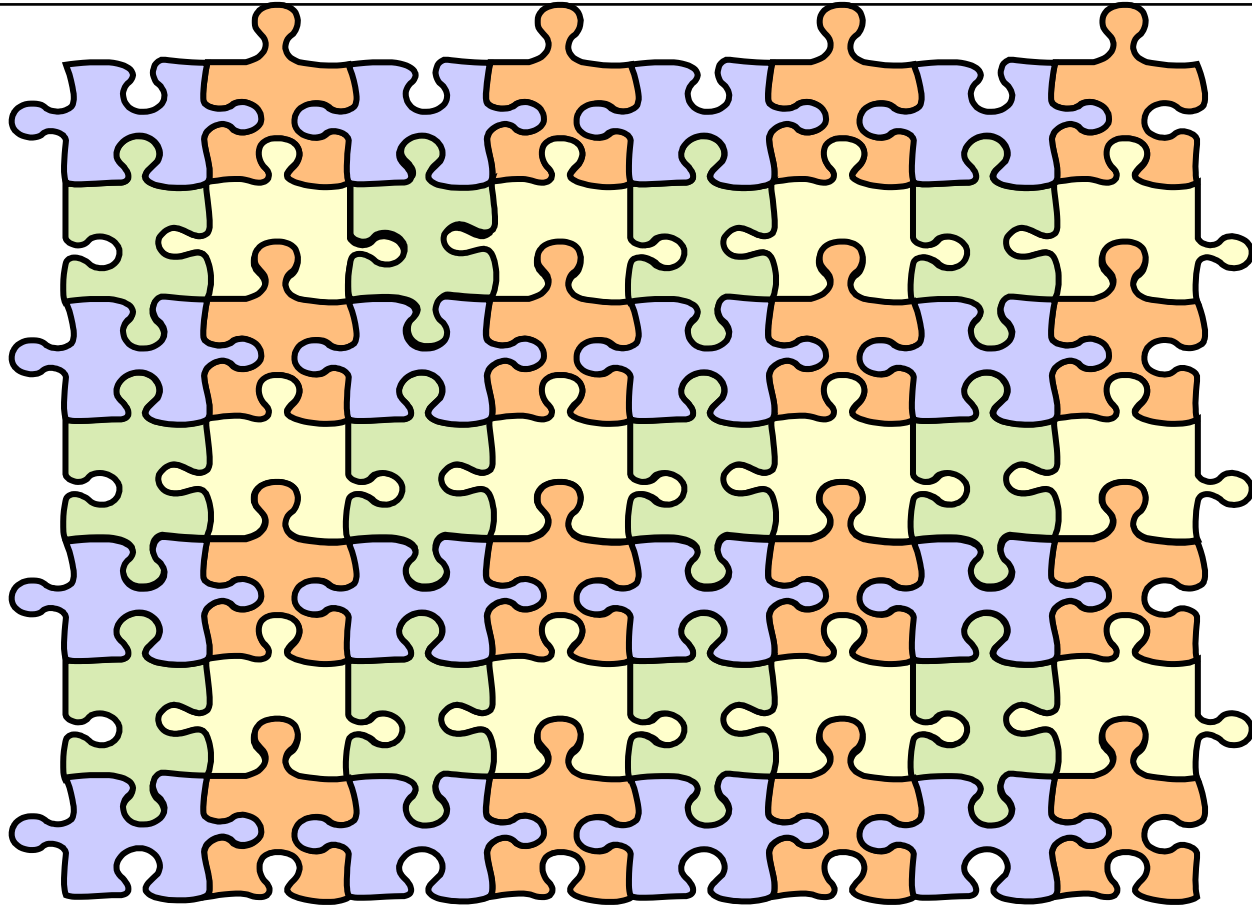
In using the term 'open access', we mean the free availability of peer-reviewed literature on the public internet, permitting any user to read, download, copy, distribute, print, search, or link to the full texts of the articles.



Driving force behind open access

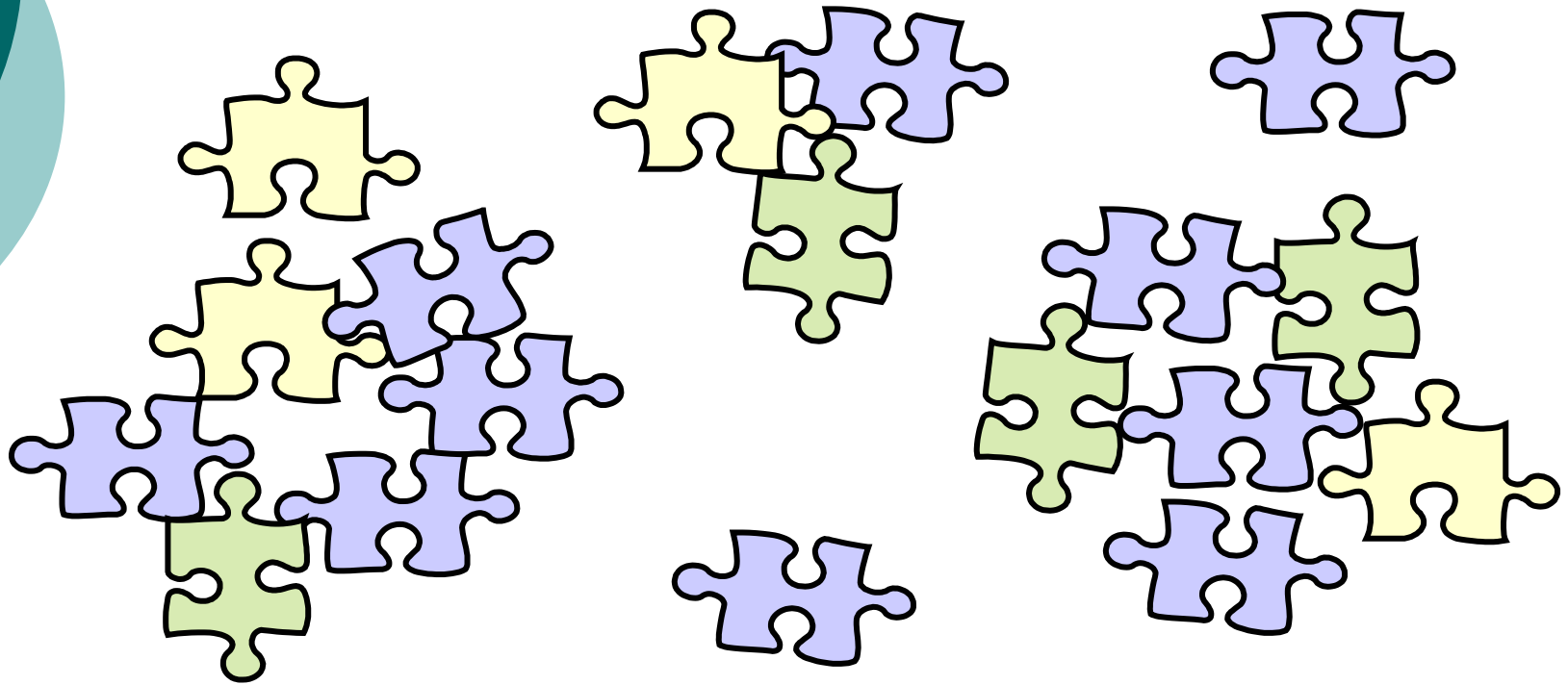
- Goal of authors: communication of their scholarly work (all papers in all fields, interconnected and accessible from any researcher's desk worldwide).
- Current status: authors are not being paid for their work, yet the cost of many journals is so high that the authors' institutions cannot afford to purchase the journal in which the article is printed.

Ultimate goal:
Interconnected, available



from Les Carr presentation @ ALPSP/OSI meeting

The literature as it is today:
disjointed, inaccessible for the majority.



from Les Carr presentation @ ALPSP/OSI meeting



Background to the Open Access Program

To work towards a solution to the problems affecting access to scholarly journals, OSI held a meeting in Budapest in 2001 of leaders who are exploring alternative publishing models in the field of scholarly communications.



Background to the Open Access Program

The participants concluded that open access was the goal and agreed on two main strategies for achieving it:

1. self-archiving (development of institutional repositories);
2. alternative (open access) journals.



Background to the Open Access Program

These conclusions form the basis of the Budapest Open Access Initiative (BOAI). OSI's Open Access Program is based upon the principles of the BOAI.



Open access journals

A journal which is freely available online worldwide and does not rely upon the traditional subscription based business model to generate revenue.



Open access journals

- If they do not charge a subscription fee, how do they generate the funds necessary to publish the journal?
- Open access journals employ a combination of new business models, among them:



Open access journals

- Article processing fee: when a paper is accepted for publication in an open access journal, a fee is charged to the author's institution/research grant, which covers the cost of peer review, online publication, etc.

Open access journals

- Institutional membership: instead of paying an article processing fee every time an author from one institution publishes a paper in an open access journal, the institution can purchase an institutional membership to an open access journal and in exchange an unlimited number of articles from that institution can be published in the open access journal (i.e. BioMed Central: Harvard, Columbia, Czech Academy of Sciences, Debrecen University, & Merck).



Open access journals

- Advertising: works best when journal's audience is highly specialized (i.e. medical journals)

Open access journals

○ Examples:

- BioMed Central
(<http://www.biomedcentral.com/>)
- The Journal of Insect Science
(<http://www.insectscience.org/>)
- Electronic Information Bulletin for Libraries
(<http://ebib.oss.wroc.pl/index.php>)

Open access journals

The screenshot displays the BioMed Central website interface within a Microsoft Internet Explorer browser window. The browser's address bar shows the URL <http://www.biomedcentral.com/>. The website header includes a navigation bar with links for Home, Feedback, Support, and Log on / Register, along with the date 14-Nov-2002. A secondary navigation bar lists categories such as journals A-Z, journals by subject, advanced search, for authors, for reviewers, jobs, about us, and my BioMed Central.

The main content area is titled "Welcome to BioMed Central" and features several key sections:

- Quick Search:** A search box with a "Go!" button and a list of search options: BioMed Central, PubMed Central, and PubMed.
- Navigation:** A vertical list of links including Journals A-Z, Journals by subject, Faculty of 1000, CCT, Primers in Biology, BioMedScientist Jobs, Science Archive, and images.MD.
- Announcements:**
 - New look - new features!**: A message welcoming users to the new design and improved navigation, with a link to a [quick guide](#).
 - Journal of Biology issue 2**: A notice that the latest issue is now [available online](#).
 - Modelling signaling networks**: A featured article from *BMC Bioinformatics* 2002, 3:34, describing a computational approach for reconstructing MAP kinase signaling in yeast.
 - Short but sweet**: A link to a *Q&A* feature.
- Right-hand sidebar:** Contains a "Register now" button, a "From The Scientist" section, and a "Today's news" section with links to "Biological energy's future" and "Conduct unbecoming".

The Windows taskbar at the bottom shows the Start button, several application icons, and the system tray with the time 4:54 PM and date EN.

Open access journals

The screenshot shows the BioMed Central website in a Microsoft Internet Explorer browser window. The address bar displays <http://www.biomedcentral.com/browse/journals/>. The page features a navigation menu with links for Home, Feedback, Support, Log on / Register, and the date 14-Nov-2002. A sidebar on the left contains a 'Quick Search' box and a list of search options: BioMed Central, PubMed Central, PubMed, Journals A-Z, Journals by subject, Faculty of 1000, CCT, Primers in Biology, BioMedScientist Jobs, Science Archive, and images.MD. The main content area is titled 'Journals A-Z' and lists journals under letters A through Z. Under 'A', journals listed include Annals of Clinical Microbiology and Antimicrobials, Annals of General Hospital Psychiatry, and Arthritis Research. Under 'B', journals listed include BioMedical Engineering OnLine, BMC Anesthesiology, BMC Biochemistry, BMC Bioinformatics, BMC Biotechnology, BMC Blood Disorders, BMC Cancer, BMC Cardiovascular Disorders, and BMC Cell Biology. A 'Register now' button is visible in the top right, and an advertisement for 'Tools for behavioral research' is in the bottom right. The Windows taskbar at the bottom shows the Start button, several application icons, and the system clock displaying 4:54 PM.

BioMed Central | journals A-Z - Microsoft Internet Explorer provided by OSI

File Edit View Favorites Tools Help

← Back → Search Favorites

Address <http://www.biomedcentral.com/browse/journals/> Go Links

Welcome guest user Home Feedback Support Log on / Register 14-Nov-2002

BioMed Central

- Full Peer Review
- Open Access
- Rapid Publication

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Antibodies Enzymes **Wako**

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Quick Search

Go!

- BioMed Central
- PubMed Central
- PubMed

Journals A-Z

Journals by subject

Faculty of 1000

CCT

Primers in Biology

BioMedScientist Jobs

Science Archive

images.MD

Journals A-Z

- [Most viewed articles](#)
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A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

A Annals of Clinical Microbiology and Antimicrobials
Annals of General Hospital Psychiatry
Arthritis Research

B BioMedical Engineering OnLine
BMC Anesthesiology
BMC Biochemistry
BMC Bioinformatics
BMC Biotechnology
BMC Blood Disorders
BMC Cancer
BMC Cardiovascular Disorders
BMC Cell Biology

Register now

sonalization...

Tools for behavioral research

Software for behavioral data acquisition with a handheld computer (Palm® or PocketPC®)

Internet

Start W I B E R R M R t. M Soft Click EN 4:54 PM

Open access journals

The screenshot shows a Microsoft Internet Explorer browser window displaying the BMC Biochemistry website. The browser's address bar shows the URL <http://www.biomedcentral.com/bmcbiochem/>. The website header includes a navigation menu with links for Home, Feedback, Support, Log on / Register, and the date 14-Nov-2002. The main content area features a 'Welcome to BMC Biochemistry' message, a 'Quick Search' box, and a 'Jump to article' section. The 'Quick Search' box contains a search input field and a 'Go!' button, with radio buttons for BMC Biochemistry, BioMed Central, PubMed Central, and PubMed. The 'Jump to article' section has input fields for volume and article number, and a 'Go!' button. The main content area is divided into three columns. The left column contains navigation links: home, journals A-Z, journals by subject, advanced search, for authors, for reviewers, jobs, about us, and my BioMed Central. The middle column features a 'Welcome to BMC Biochemistry' message, a 'Research highlights' section with two articles, and a 'Wako' advertisement. The right column contains 'Related journals published by BioMed Central' with links to BMC Structural Biology and Proteome Science, and another 'Wako' advertisement. The browser's taskbar at the bottom shows the Start button, various application icons, and the system clock displaying 4:55 PM on 11/14/2002.

BioMed Central | BMC Biochemistry - Microsoft Internet Explorer provided by OSI

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Back Forward Stop Home Search Favorites

Address <http://www.biomedcentral.com/bmcbiochem/> Go Links

Welcome guest user Home Feedback Support Log on / Register 14-Nov-2002

BMC Biochemistry published by BioMed Central

Antibodies Enzymes DNA Kits and more Wako

home journals A-Z journals by subject advanced search for authors for reviewers jobs about us my BioMed Central

Quick Search

Go!

BMC Biochemistry BioMed Central PubMed Central PubMed

Jump to article

Go!

vol. article no.

BMC Biochemistry

Home About this journal

Welcome to BMC Biochemistry

BMC Biochemistry publishes original research articles in all aspects of biochemistry, including metabolic pathways, enzyme functions, and small molecular components of cells and tissues. *BMC Biochemistry* (ISSN 1471-2091) is indexed/tracked by PubMed, MEDLINE and BIOSIS.

Research highlights

MPN+ - a putative catalytic motif
BMC Biochemistry 2002 3:28
MPN+, a five amino acid motif resembling the active site of hydrolytic enzymes, is found in some MPN-domain proteins and is essential for the function of a lid subunit of the proteasome.

Signaling scaffold complex formation
BMC Biochemistry 2002 3:24
A unique 38 amino acid subdomain of PDE45, which

Related journals published by BioMed Central

BMC Structural Biology Proteome Science

Wako

<http://www.biomedcentral.com/1471-2091/3/28> Internet

Start W I B E R M R t M Soft Click EN 4:55 PM

Open access journals

BioMed Central | Full text | MPN+, a putative catalytic motif found in a subset of MPN domain p - Microsoft Internet Explorer

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Address <http://www.biomedcentral.com/1471-2091/3/28> Go Links

Welcome guest user Home Feedback Support Log on / Register 14-Nov-2002

BMC Biochemistry
published by BioMed Central

Antibodies Enzymes
DNA Kits and more **Wako**

home journals A-Z journals by subject advanced search for authors for reviewers jobs about us my BioMed Central

BMC Biochemistry
Volume 3

Viewing options:

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- PubMed record
- Related articles in PubMed

Search PubMed For:
Maytal-Kivity V
Reis N
Hofmann K
Glickman MH

Key:
✉ Email
✉ Corresponding author

Research article **Open Access**

MPN+, a putative catalytic motif found in a subset of MPN domain proteins from eukaryotes and prokaryotes, is critical for Rpn11 function

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²Bioinformatics Group, MEMOREC Stoffel GmbH, Germany

BMC Biochemistry 2002 **3**:28

This article is available from: <http://www.biomedcentral.com/1471-2091/3/28>

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Done Internet

Start W I B E R M R t M Soft Click EN 4:56 PM

SciX Project

List of free open access journals

Microsoft Excel - SciX journals' list, II

List of Free Journals. Collected July-Aug				
Name	Address	Subject Details	Country of Origin	Publisher
Acta Mathematica Universitatis Cor	http://www.iam_fmph.uniba.sk/amuc	Mathematics	Slovakia	Comenius
Academic Leadership (Hernando)	http://www.academicleadership.org	Education	USA	Academic
Academy of Marketing Science	http://www.amsreview.org	Economics	USA	Academy
Acoustic Research Letters Online:	http://asa.aip.org/arlo	Physics	USA	Acoustica
Acta Mathematica Pegagogiae	http://www.maths.soton.ac.uk/EMIS/journals/AM	Mathematics	Hungary	College o
Advancing Women in Leadership	http://www.advancingwomen.com/awl/awl.html	Gender studies	USA	Gretchen
African Studies Quarterly: the	http://www.clas.ufl.edu/africa/asq	Education	USA	University
AgBioforum	http://www.agbioforum.org	Biology	USA	University
Agora (Edmonton)	http://www.arts.ualberta.ca/agora/	History	Canada	University
Airpower Journal	http://www.airpower.maxwell.af.mil/airchronicles/	Military Commun	USA	Aerospac
Alaska Fishery Research Bulletin	http://www.state.ak.us/adfg/geninfo/pubs/afrb/afr	Biology	USA	Alaska D
Alaska Law Review	http://www.law.duke.edu/journals/alr/	Law	USA	
Aldrichimica Acta	http://www.sigma-aldrich.com/SAVWS.nsf/Pages/	Chemistry	USA	Aldrich C
American Communication Journal	http://www.acjournal.org/	Communication	USA	American
Americana (Hollywood): the journal	http://www.americanpopularculture.com	Sociology	USA	Institute f
Anaesthesia On-Line	http://www.priory.com/anaes.htm	Medicine	United Kingdom	Priory Lo
Animus: a philosophical journal for	http://www.mun.ca/animus	Philosophy	Canada	Memorial
Annales Academiae Scientiarum	http://www.maths.soton.ac.uk/EMIS/journals/AA	Mathematics	Finland	University
Annals of Saudi Medicine	http://www.kfshrc.edu.sa/annals/	Medicine	Saudi Arabia	King Sau

OSI will support the Lund University Library to create a directory of open access journals.



Institutional repositories

A publicly accessible repository (archive) where all the work published by researchers/authors affiliated with the university/academy can be posted online. Contributes to the status of the institution by displaying the intellectual output of the institution.



Institutional repositories

All work is deposited in the repository by using interoperable software, which allows the works in the repositories to be searched and harvested. Such software is called Open Archives Initiative (OAI) compliant. Examples of OAI compliant software are E-Prints and DSpace.

Institutional repositories

The screenshot shows a Microsoft Internet Explorer browser window displaying the Glasgow ePrints Service website. The browser's address bar shows the URL <http://eprints.lib.gla.ac.uk/>. The website header includes the University of Glasgow logo and the text "GLASGOW ePRINTS SERVICE". A navigation menu contains links for Home, About, Subjects, Faculty, Search, Register, Deposit Papers, and Help. The main content area features a "Welcome" message, a search bar with a "Search" button, and a "Login" link. Below the search bar are three navigation options: "BROWSE BY SUBJECT", "BROWSE BY FACULTY", and "ADVANCED SEARCH". A "VIEW ePRINT" link is also visible. The right sidebar contains "Latest News" and "Quick Links" sections. The Windows taskbar at the bottom shows the Start button, several application icons, and the system tray with the time 4:52 PM.

ePrints Service - University of Glasgow - Microsoft Internet Explorer provided by OSI

File Edit View Favorites Tools Help

← Back → Search Favorites

Address <http://eprints.lib.gla.ac.uk/> Go Links

UNIVERSITY of GLASGOW **GLASGOW ePRINTS SERVICE** **INFORMATION SERVICES A-Z**

ePrints Home | About | Subjects | Faculty | Search | Register | Deposit Papers | Help

Welcome
Welcome to our ePrints Service
Help
ePrints Help
Depositing Papers
Copyright Matters
Frequently Asked Questions

Welcome

SEARCH by TITLE, KEYWORD or ABSTRACT
more search options [author, year]...

Login: Deposit Papers, Update your Account
Forgotten your password? Get an e-mail reminder.

BROWSE BY SUBJECT Browse for papers by Library of Congress Subject Headings

BROWSE BY FACULTY Browse for papers by Faculty or Administrative Unit

ADVANCED SEARCH Preset Limits such as Subject and Document Type

VIEW ePRINT View eprint by entering its ID code

Latest News
Project RoMEO
Academic authors: copyright and self-archiving survey [Survey >>](#)
Search for digital resources with OAISTER - over 274046 records from 55 institutions including Glasgow Start searching...
Ingenta signs strategic partnership with the University of Southampton to create open archive e-print services further details...

Quick Links
MERLIN

Subscriptions -

Start | Internet | 4:52 PM

Institutional repositories

The screenshot shows a Microsoft Internet Explorer browser window displaying the Glasgow ePrints Service website. The browser's address bar shows the URL <http://eprints.lib.gla.ac.uk/faculty.html>. The website header includes the University of Glasgow logo and the text "GLASGOW ePRINTS SERVICE". A navigation menu contains links for "ePrints Home", "About", "Subjects", "Faculty", "Search", "Register", "Deposit Papers", and "Help". On the left side, there is a "Help" sidebar with links to "ePrints Help", "Depositing Papers", "Copyright Matters", and "Frequently Asked Questions". The main content area is titled "ePrints by Faculty" and lists various faculties with their respective document counts:

- Arts (3)
 - HATII (1)
 - Music (4)
 - STELLA (1)
- Biomedical & Life Sciences (4)
 - Division of Environmental and Evolutionary Biology (4)
- Computing Science, Mathematics & Statistics (1)
 - Computing Science (1)
- Divinity
- Education
- Engineering
- Law & Financial Studies
- Medicine (including Dentistry and Nursing)
- Physical Sciences (1)
 - Physics (1)
- Social Sciences (1)
 - Psychology (1)
- Veterinary Medicine

The browser's taskbar at the bottom shows the Start button, several application icons, and the system tray with the time 4:38 PM.

Institutional repositories

The screenshot shows a Microsoft Internet Explorer browser window displaying the University of Glasgow ePrints Service search results. The browser title is "University of Glasgow EPrint Archive: Results for Advanced Search - Microsoft Internet Explorer provided by OSI". The address bar shows the URL: http://eprints.lib.gla.ac.uk/perl/advsearch?&department=music&department_srctype=all&_order=order0. The page content includes the University of Glasgow logo, the text "GLASGOW ePRINTS SERVICE", and a navigation menu with links for "ePrints Home", "About", "Subjects", "Faculty", "Search", "Register", "Deposit Papers", and "Help". The main heading is "Results for Advanced Search", followed by "Retrieved 4 hits". The search results list four entries:

- Boehm, Carola (2001) *Between Technology and Creativity, Challenges and Opportunities for Music Technology in Higher Education (long version/CIRCUS 2001)*. In Boehm, Carola, Garcia, David and Schuter, Hubertien, Eds. *CIRCUS 2001 - New Synergies in Digital Creativity*, pages 55-72, Glasgow.
- Boehm, Carola and Fells, Nick (2001) *Studio Report of The Centre for Music Technology, University of Glasgow*. In Schloss, Andrew, Dannenberg, Roger and Driessen, Peter, Eds. *ICMC2001 - International Computer Music Conference (ICMA)*, pages 196-198, Havana, Cuba.
- Boehm, Carola and MacLellan, Donald (2001) *MuTaTeD'II, A System for Music Information Retrieval of Encoded Music*, in *Library and Information Commission Research Report 104*, pages 1-48. Resource: The Council for Museums, Archives and Libraries.
- Patterson, John and Boehm, Carola (2001) *CIRCUS For Beginners*. In Boehm, Carola and Schuter, Hubertien, Eds. *CIRCUS 2001 - New Synergies in Digital Creativity*, pages 168-181, Glasgow.

At the bottom of the search results area, there are two buttons: "Update the search" and "Start new search". The Windows taskbar at the bottom shows the Start button, several application icons, and the system tray with the time 4:39 PM.

Institutional repositories

University of Glasgow EPrint Archive: Between Technology and Creativity, Challenges and Oppor... - Microsoft Internet Explo

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Address <http://eprints.lib.gla.ac.uk/documents/disk0/00/00/00/26/index.html> Go Links

HOME UNIVERSITY of GLASGOW GLASGOW ePRINTS SERVICE INFORMATION SERVICES A-Z IS

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Between Technology and Creativity, Challenges and Opportunities for Music Technology in Higher Education (long version/CIRCUS 2001)

Boehm, Carola (2001) Between Technology and Creativity, Challenges and Opportunities for Music Technology in Higher Education (long version/CIRCUS 2001). In Boehm, Carola, Garcia, David and Schuter, Hubertien, Eds. *CIRCUS 2001 - New Synergies in Digital Creativity*, pages 55-72, Glasgow.

Full text available as: [Adobe PDF](#)

Abstract

A presentation at Bath Spa College University in June 2001 gave me the occasion to rethink the existing Challenges and Opportunities of Music Technology within Higher Education today. To integrate an interdisciplinary field, such as Music Technology, into an academic discipline-segregated structure, such as that existing in our Universities, provides, in many ways, more challenges than opportunities: in research as well as teaching and administration. This report will present an overview of this situation, fed by my personal and professional experiences working with or in various academic institutions. Several working groups and workshops, such as the EC funded CIRCUS project (Content Integrated Research into Creative User Systems), the invited EPSRC Music Technology workshop as well as the invited EC "creativity and technology", have addressed relating issues of

Done Internet

Start

4:40 PM

Institutional repositories

- University of Humboldt:
<http://edoc.hu-berlin.de/>
- University of Utrecht:
<http://dispute.library.uu.nl/>
- California Digital Library:
<http://repositories.cdlib.org/>
- DSpace (MIT):
<http://www.dspace.org/live/home.html>

How can open access promote the dissemination of local content?

- Open access journals:
 - Encourage development of open access journals in our region
 - Encourage/support authors in our region to publish in open access journals (OSI grants programs).



How can open access promote the dissemination of local content

- Institutional repositories
 - Encourage the creation of institutional repositories in Academies of Sciences/Universities/Libraries – harvest local content created in institutions.



Additional information

- Budapest Open Access Initiative: <http://www.soros.org/openaccess/>
- Open Archives Initiative: <http://www.openarchives.org/>
- SPARC: <http://www.arl.org/sparc>
- EPrints.org: <http://www.eprints.org/>
- Open Archives Forum: <http://www.oaforum.org/>
- SciX Project: <http://www.scix.net/>



Thank you.

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