OAI3 - CERN

The Breakout Sessions -

"Implementation: the FAIR and DARE Experience"

The SHERPA Project

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SHERPA

SHERPA -

- Securing a Hybrid Environment for Research Preservation and Access
- funding: JISC (FAIR programme) and CURL
- duration: 3 years, November 2002 – November 2005

curl JISC

SHERPA

SHERPA

- development partner institutions
  - Nottingham (lead), Leeds, Sheffield, York, Edinburgh, Glasgow, Oxford, British Library and AHDS
- associate partner institutions
  - Birkbeck College, Birmingham, Bristol, Cambridge, Durham, Imperial College, Kings College, Newcastle, Royal Holloway, School of Oriental and African Studies, University College London

SHERPA

Institutional repositories

- e-prints as research outputs
- multiple subject-disciplines
- part of information service and strategy
- long-term existence

Implementation issues

- Collection policies
- Deposit licences
- Preservation standards
- IPR

Repository structures

- One institution: one repository
- One institution: multiple repositories
- Multiple institutions: one repository
- Search services
  - institutional
  - consortial
  - national
  - world-wide

Institutional integration

- academic's working practices
- information service
- building and populating
- legal issues
- public-facing issues
- advocacy

SHERPA - progress

- repositories set up in each partner institution
- test papers being added
- negotiations with publishers
- discussions on preservation of eprints
- work on IPR and deposit licences
- advocacy campaigns starting
- sharing experiences and formulating strategies

SHERPA

http://www.sherpa.ac.uk

bill.hubbard@nottingham.ac.uk

SHERPA

why "*institutional*"?

- institutions have centralised resources:
  - to subsidise repository start up
  - to support repositories with technical / organisational infrastructures
  - to deal effectively with preservation issues over the long term
- institutions get benefits:
  - raising profile and prestige of institution
  - managing institutional information assets
  - encourages an institutional identity in intellectual output

SHERPA

SHERPA

...assisting scholarly communication

Publisher copyright policies & self-archiving

The majority of publishers support the right of academic authors to mount their own work online.
Use this site to find what permissions are normally given as part of each publisher's copyright transfer agreement.

Search for a particular publisher below or view all publishers.
If a publisher is not listed here you may wish to recommend that we include it.

This information is based on the publishers' listings produced by the ROMEO project, as part of the JISC FAIR programme.

Search

Enter one or more keywords from the **publishers** name:

BMJ Search

Find: ○ **Any** *or* ◉ **All** keywords *or* ○ **Exact** phrase only

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...assisting scholarly communication

Publisher copyright policies & self-archiving

Found **1** results for **BMJ**:

All information is correct to the best of our knowledge but should not be relied upon for legal advice

Publisher:	BMJ Publishing Group
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Post-print:	✓ author **can** archive post-print (ie final draft post-refeering)
Conditions:	• On author or institutional server only • Publisher copyright and source must be acknowledged • Must link to publisher version
Copyright:	view policy
ROMEO:	This is a ROMEO **green** publisher
Update:	suggest update for this record

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Find: ○ **Any** *or* ◉ **All** keywords *or* ○ **Exact** phrase only

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yellow	can archive pre-print (ie pre-refeering)
blue	can archive post-print (ie final draft post-refeering)
green	can archive pre-print and post-print

Publisher:	**Institute of Electrical and Electronics Engineers**
Pre-print:	✗ author **cannot** archive pre-print (ie pre-refeering)
Post-print:	✓ author **can** archive post-print (ie final draft post-refeering)
Conditions:	• Post-refereed version only
Copyright:	view policy
ROMEO:	This is a ROMEO **blue** publisher
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Publisher:	**Institute of Electrical, Information and Communication Engineers**
Pre-print:	✓ author **can** archive pre-print (ie pre-refeering)
Post-print:	✗ author **cannot** archive post-print (ie final draft post-refeering)
Conditions:	• Pre-refereed version only • Published source must be acknowledged once available
Copyright:	view policy
ROMEO:	This is a ROMEO **yellow** publisher
Update:	suggest update for this record

Publisher:	**Institute of Physics**
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Post-print:	✓ author **can** archive post-print (ie final draft post-refeering)
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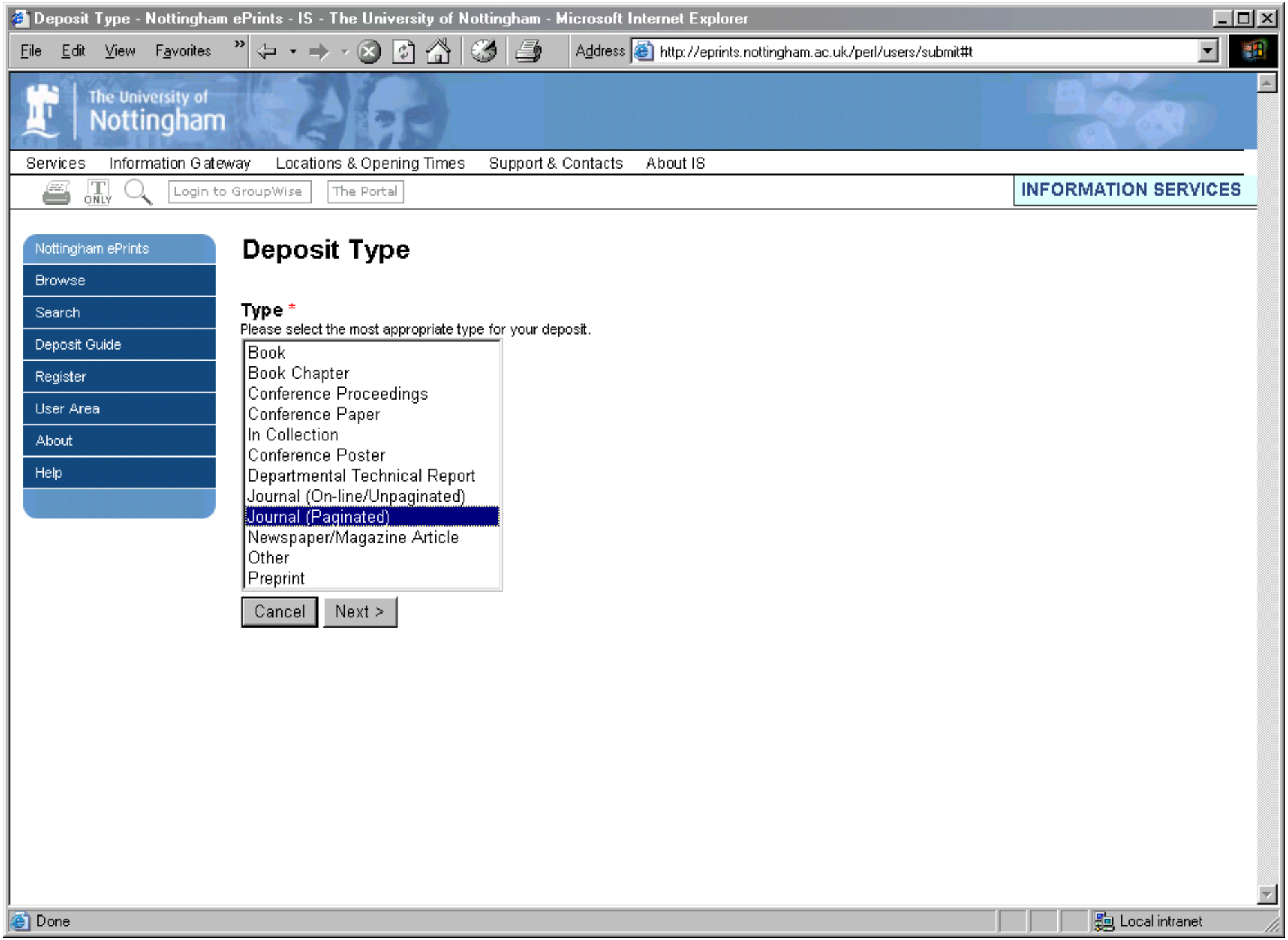
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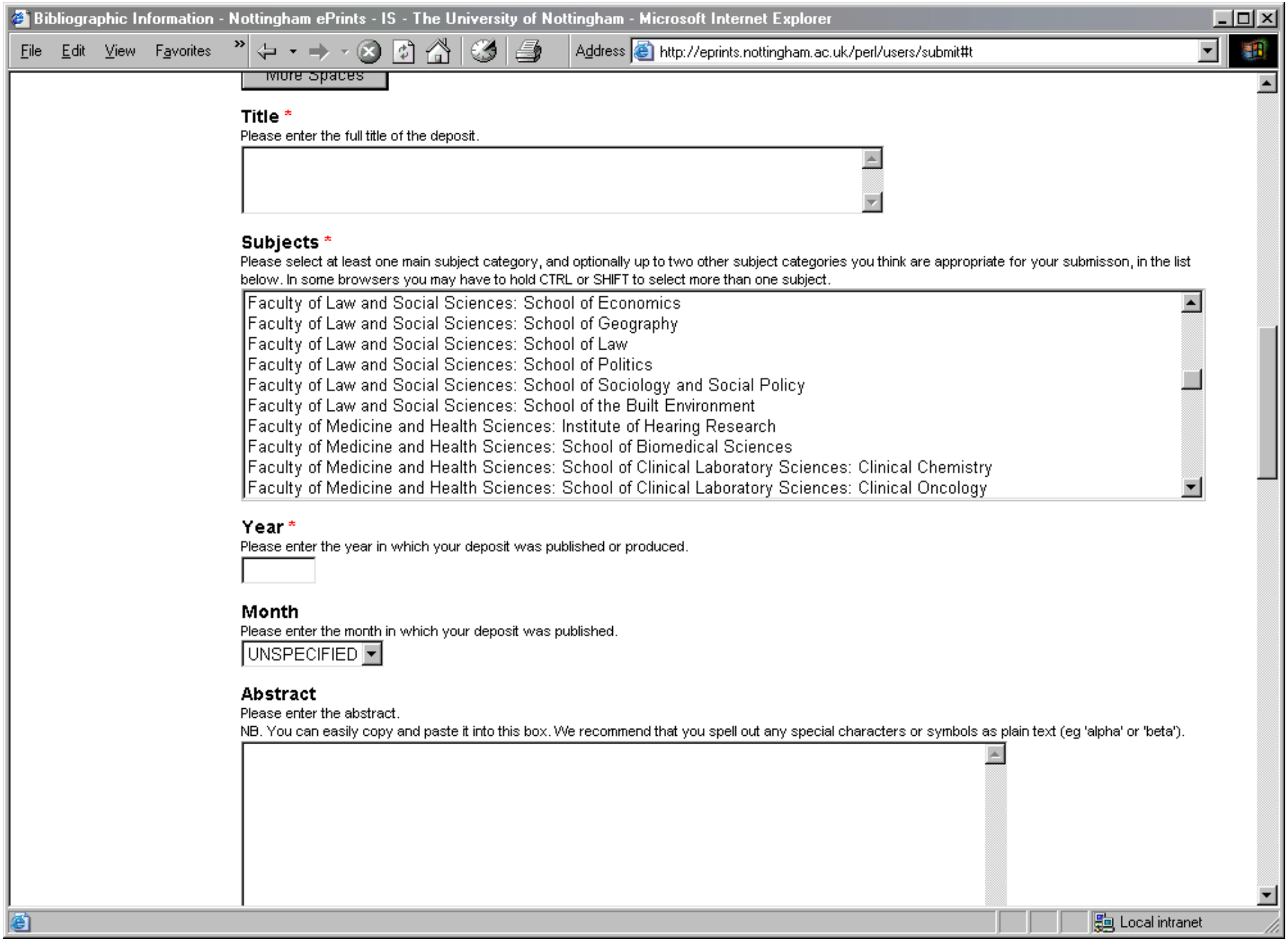
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- Nottingham ePrints is part of the SHERPA project

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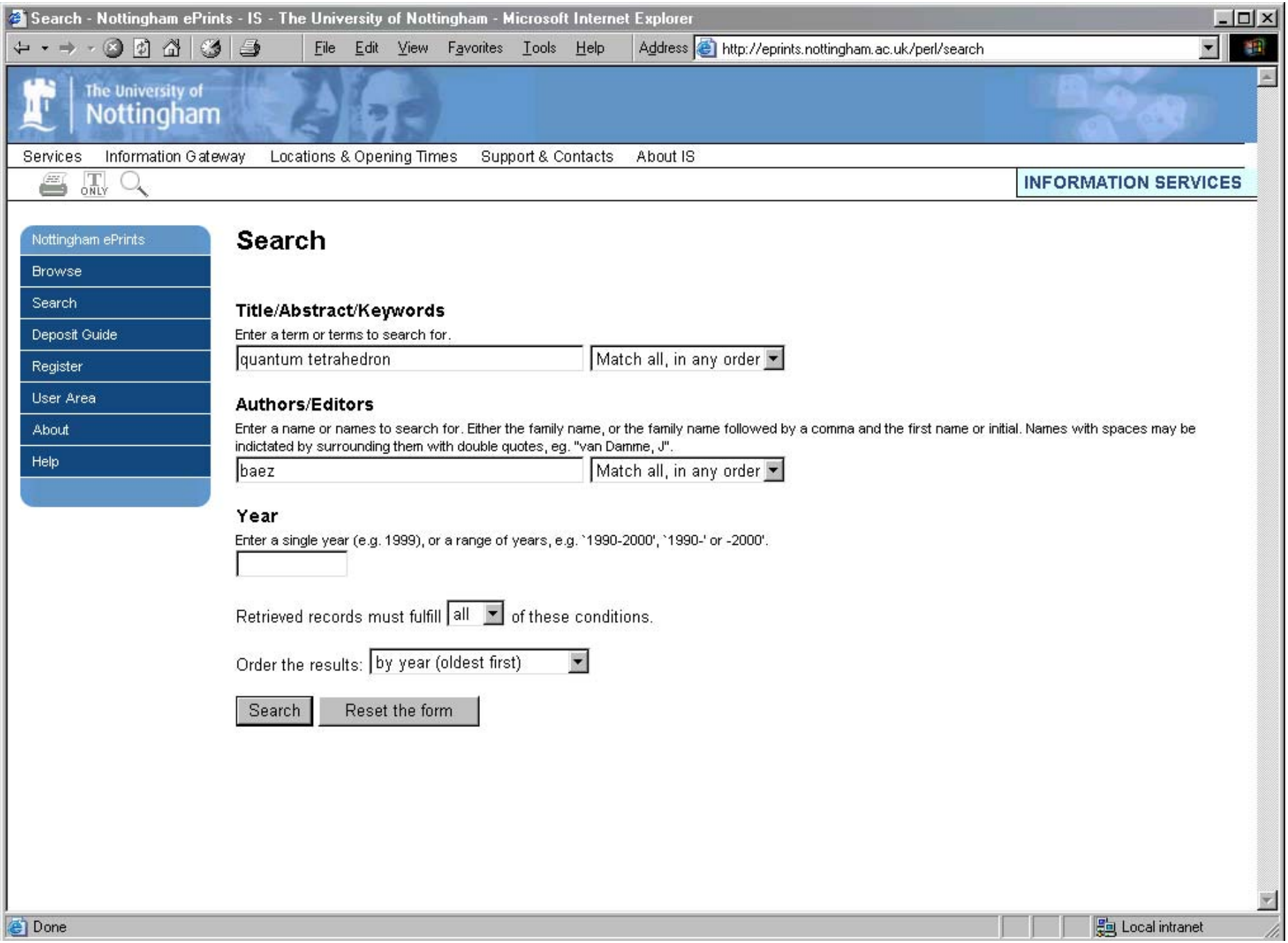
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The Quantum Tetrahedron in 3 and 4 Dimensions

Baez, John C. and Barrett, John W. (1999) The Quantum Tetrahedron in 3 and 4 Dimensions. *Adv.Theor.Math.Phys.* 3:815-850.

Full text available as: Postscript
PDF

Abstract

Recent work on state sum models of quantum gravity in 3 and 4 dimensions has led to interest in the `quantum tetrahedron'. Starting with a classical phase space whose points correspond to geometries of the tetrahedron in R^3, we use geometric quantization to obtain a Hilbert space of states. This Hilbert space has a basis of states labeled by the areas of the faces of the tetrahedron together with one more quantum number, e.g. the area of one of the parallelograms formed by midpoints of the tetrahedron's edges. Repeating the procedure for the tetrahedron in R^4, we obtain a Hilbert space with a basis labelled solely by the areas of the tetrahedron's faces. An analysis of this result yields a geometrical explanation of the otherwise puzzling fact that the quantum tetrahedron has more degrees of freedom in 3 dimensions than in 4 dimensions.

Subjects: Faculty of Science: School of Mathematical Sciences: Mathematical Physics

Type: Journal (Paginated)

Status: Published

Refereed: Yes

Deposited by: Gardner, Mike

Deposited on: 30 July 2001

Alternative Locations: http://xxx.soton.ac.uk/abs/gr-qc/?9903060