Improving Access to European E-Theses: the DART-Europe Programme

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Director of Research and Learning Resources
The University of Nottingham
Outline

- Background
- The partnership
- Key relationships
- The DART-Europe Portal
- Other DART-Europe activities
- Partnership Agreement
- Conclusion
DART-Europe: first phase

- Began in 2005 as an 18-month project
- Founding academic partners from UK (UCL, Dartington, Oxford University) and Ireland (Trinity College Dublin)
- In association with ProQuest (technology partner)
- Working where possible with national libraries and consortia
- Resourced only through partner contributions
DART-Europe: first phase

- Creation of an open access Portal for e-theses
- Creation of a hosted repository service
- Collation/creation of general advice and guidance on e-theses, including IPR, formats...
- Demonstrator digital preservation service for e-theses
- Identification of a business model for sustainability, founded on value-added services
  - e.g. sale of bound copies, copyright checking, metadata enrichment
DART-Europe: first phase - successes and...

- Created a demonstrator Portal for e-theses
- Successfully tested a hosted repository service - still available through ProQuest
- Limited work on advice and guidance - this was taken on very effectively by other bodies, such as GUIDE
- No digital preservation testing
- Business model not identified in this period
DART-Europe: second phase, 2007-

- A fully community-led partnership
- Led by UCL and Nottingham; governed by a Board of Partners
- Resourced entirely through partner contributions
- No longer a 'project'; DART-Europe is ongoing
- Supporting the management, discovery, usability and preservation of e-theses
Current partners

- BICfB (Bibliothèque Interuniversitaire de la Communauté française de Belgique), Belgium
- CBUC (Consortio de Biblioteques Universitàries de Catalunya), Spain
- University of Debrecen University and National Library, Hungary
- Deutsche Nationalbibliothek, Germany
- DiVA (Digitala Vetenskapliga Arkive), Sweden and Norway
- Dublin City University, Ireland
- University of Minho, Portugal
- Helsinki University of Technology, Finland
- Ecoles Polytechniques fédérales de Lausanne, Switzerland
- Lund University, Sweden
- University of Nottingham, UK
- Oxford University, UK
- Tartu University, Estonia
- University of Miskolc, Hungary
- Robert Gordon University, UK
- Trinity College Dublin, Ireland
- UCL, UK
- Universidad Politécnica de Valencia, Spain
Prospective partners

- ABES (France)
- Austrian University Libraries
- Ethos (UK)
- NORA (Norwegian Open Research Archive)
- PINDAR (Denmark)
- PLEIADI (Italy)
- Swiss University Libraries
Key relationships

- LIBER
  - DART-Europe is endorsed by LIBER as part of the work of the LIBER Access Division
- NDLTD (Networked Digital Library of Theses and Dissertations)
  - DART-Europe is the NDLTD's Working Group for Europe
- Koninklijke Bibliotheek (KB), Netherlands
  - DART and KB are discussing joint work on digital preservation of e-theses
- DRIVER
  - A DART-DRIVER partnership. Exploratory technical work is under way.
  - DART is also contributing to DRIVER guidelines.
The DART-Europe E-theses Portal

- Access to 100,000+ full-text e-theses.
- Thesis records from:
  - 34 data sources (a mixture of national, consortial and institutional)
  - 13 countries
  - 150 institutions
- Daily updates
- Data collection using simple OAI Dublin Core
  - MODS, MARC also supported
- Off-the-shelf harvesting technology (PKP)
- Bespoke user interface
A pragmatic outlook

- Interoperability can be very complex
- DART-Europe aims to keep things simple
  - Minimise technical barriers for potential contributors
  - Focus on supporting discovery by users
- Realistic metadata guidelines:
  - Essential: author, title, date, identifier (hyperlink)
  - Desirable: abstract, institution, language, contributor (supervisor)
- Portal does not attempt to capture and consolidate every piece of information about every thesis
  - maintains links to source repositories for full metadata, award details, rights info, supplementary data...
Overview (released 2008)

Welcome to the development site for the DART-Europe E-theses Portal (DEEP).

DART-Europe is a partnership of research libraries and library consortia who are working together to improve global access to European research theses. DART-Europe is endorsed by LIBER (Ligue des Bibliothèques Européennes de Recherche) as part of the work of the LIBER Access Division, and it is the European Working Group of the Networked Digital Library of Theses and Dissertations (NDLTD).

This demonstrator Portal is being developed using Simple Dublin Core. The partners are exploring the use of a more focused metadata standard for European e-theses.

Feedback on the demonstrator portal is welcome: please contact ucytam at ucl dot ac dot uk.

For more information about the DART-Europe programme, visit the DART-Europe Web site.
Results

Displaying records 1 - 3 of 3.

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<th>Author</th>
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<td>Figueras Barbera, Pau</td>
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<td>In Situ Observations of the Atmospheres of Terrestrial Planetary Bodies</td>
<td>Hami, Ari-Matti</td>
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<td>Spectroscopic study of titanium monohydride and storage experiments</td>
<td>Danielsson, Mathias</td>
<td>2006</td>
<td>Stockholm University, Sweden</td>
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Displaying records 1 - 3 of 3.
### Spectroscopic study of titanium monohydride and storage ring experiments

**Author(s):** Danielsson, Mathias  
**Date:** 2008-03-27  
**Language:** en  
**Identifier:** [http://urn.kb.se/resolve?urn=urn:nbn:se:uu:diva-7451](http://urn.kb.se/resolve?urn=urn:nbn:se:uu:diva-7451)  
**Publisher:** Stockholm University, Sweden  
**Type:** thesis, doctoral  
**Format:** text/html

**Rights:** Copyright Mathias Danielsson 2008  
**Subject:** TiH  
**Subject:** TID  
**Subject:** transition metal hydride  
**Subject:** dissociative recombination  

**Description:** This thesis describes two projects, spectroscopy of the astrophysically relevant molecule TiH and its isotopologue TID, and the dissociative recombination (DR) reaction of astrophysically and atmospherically relevant molecules. Emphasis in the thesis is on the first project, involving ultraviolet spectroscopic studies of TiHTD. A second project deals with dipole moments in the [H]3P2.
## Publications from Stockholm University

**Files:**

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**Author:** Danielsson, Mathias

**Title:** Spectroscopic study of titanium monochyhydride and storage ring experiments

**Department:** Stockholm University, Faculty of Science, Physics Department

**URI:** urn:nbn:se:diva-7451

**Publication type:** Doctoral thesis

**Language:** English [en] with a summary in English [en]

**Keywords:** TiH, TiD, transition metal hydride, dissociative recombination

**Defence:** 2008-04-18, sal FA32, AlbaNova universitetscentrum, Roslagstullsbacken 21, Stockholm, 14:00, Swedish

**Opponent:** Launila, Olli, Dr, KTH Tillämpad fysik, Sweden

**Abstract [en]:** This thesis describes two projects, spectroscopy of the astrophysically relevant molecule TiH and its isotopologue TiD, and the dissociative recombination (DR) reaction of astrophysically and atmospherically relevant molecules. Emphasis in the thesis is on the first project.
Spectroscopic study of titanium monohydride and storage ring experiments

Mathias Danielsson

Academic dissertation for the Degree of Doctor of Philosophy in Chemical Physics at Stockholm University to be publicly defended on Friday 18 April 2008 at 14:00 in sal FA32, AlbaNova universitetscentrum, Roslagstullsbacken 21.

Abstract
This thesis describes two projects, spectroscopy of the astrophysically relevant molecule TiH and its isotopologue TiD, and the dissociation-recombination (DR) reaction of astrophysically and...
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DART-Europe E-theses Portal

Browse records

Select an index to browse:

- Author
- Institution
- DataSource
- Country
- Year
DART-Europe E-theses Portal

Browse list

Click on a heading to view related records or select a different index

- Albert Ludwigs Universität Freiburg
- Umeå University, Sweden
- Bauhaus-Universität Weimar
- Bergische Universität Wuppertal
- Brandenburgische Technische Universität Cottbus
- Carl von Ossietzky Universität Oldenburg
- Christian-Albrechts-Universität zu Kiel
- DB Thuringen (includes theses from FSU Jena, Universität Erfurt, Technische Universität Ilmenau)
- Dublin City University
- Eberhard Karls Universität Tübingen
- Ecole Polytechnique fédérale de Lausanne
- Ernst-Moritz Arndt-Universität Greifswald
- Europa-Universität Viadrina Frankfurt (Oder)
- Faculte Polytechnique de Mons
- FernUniversität in Hagen
- Freie Universität Berlin
- Friedrich-Schiller-Universität Jena
- HICAM
- FUNDP
- Georg-August-Universität Göttingen
- Gottfried Wilhelm Leibniz Universität Hannover
- Heinrich-Heine-Universität
- Helsinki University of Technology
- Hochschule für Bildende Kunst Braunschweig
- Humboldt-Universität zu Berlin
DART-Europe E-theses Portal

Browse records

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T-Europe E-theses Portal

Browse list

Click on a heading to view related records or select a different index

Select first letter of author surname: ABCDEFGHIJKLMNOPQRSTUVWXYZ

or

Enter first few letters of author surname: hey

Go
T-Europe E-theses Portal

Browse list

Click on a heading to view related records or select a different index

Surname begins with: 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 or Enter first few letters: Go

Displaying headings 1 - 10 of 62

- Hey, Marcus
- Hey, Matthias
- Heyck, Matthias
- Heyd, Florian
- Heyd, Kerstin
- Heyde, Gerd
- Heyde, Markus von der
- Heyde, Sophie
- Heyde, Stefan
- Heyden, Andreas
# T-Europe E-theses Portal

## Browse results

Displaying records 1 - 1 of 1.

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<td>Heyde, Sophie</td>
<td>2002</td>
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dspace.tntu.edu/handle/10062/2913 - 12k - Cached - Similar pages - Note this

The DART-Europe Etheses Portal (DEEP)
Title: Colored-noise-controlled anomalous transport and phase transitions in complex systems Vāriete mušā talstāt anomālā transporta un faziskā minējumā ... www.dart-europe.eu/index.php/record/view/10604 - 10k - Cached - Similar pages - Note this

papers
Disordering effects of colour in a system of coupled Brownian motors: phase diagram and anomalous-to-normal hysteresis transition, H. S. Velio, S. E. Mangioni ...
cabinet.cna.gov.tw/statisticalphysics/papers.htm - 53k - Cached - Similar pages - Note this

Physica D: Nonlinear Phenomena. Disordering effects of colour in ...
Disordering effects of colour in a system of coupled Brownian motors: phase diagram and anomalous-to-normal hysteresis transition ...
linkinghub.elsevier.com/retrieve/pii/S0167278902005080 - Similar pages - Note this

Sonderforschungsbereich 555 - A1 - Control of excitable media by ...
Influence of additive noise on noise-induced phase transition in nonlinear chains: fractal fourier spectrum, and anomalous transport ...
sfb555.physik.hu-berlin.de/content/view/2629/jang_en/ - 31k -
Cached - Similar pages - Note this

Session ED - Nonlinear Dynamics
of Physics and Center for Nonlinear and Complex Systems) .... [ED 14] Anomalous diffusion in quantum Brownian motion with colored noise ...
Interoperability in practice

- Repositories usually have rich, well-organised local metadata
- However, when exporting records, everybody does things differently
  - Dublin Core can be interpreted and used in different ways
  - Meaning can be lost (example - dates)
  - Fundamental information not always present, or not helpfully formatted
  - Many repository managers don't have the technical expertise/support/time to meet even simple guidelines
- To deliver even a no-frills discovery service like the DART Portal requires additional work on harvested data.
Portal - technical overview

Repositories
- Institutional
- Consortial
- National

OAI-PMH

Harvester
- Crosswalks

Post-Processor
- Cleanup
- Enrichment
- Special character indexing

Portal

Search Engine
- Indexes
- Storage

User Interface
- Search/browse
- Results

Researchers and Learners
DART-Europe Portal – recent updates and plans

- Switched to new version of interface (July 2008)
- Launched the Portal as a service (Q4 2008)
- Service improvements:
  - User-oriented: RSS, alerts, refine searches, export results.
  - Extend multilingual search/retrieval; interface translations.
  - Usage statistics.
- Determine running costs.
  - What do users really want? Is it feasible?
  - Sustainable cost-recovery plan can then be pursued
  - Exploratory work with DRIVER under way.
DART-Europe: other activities

- DART-Europe has other technical interests...
  - Digital preservation; retrodigitisation of theses; metadata
- ...and non-technical interests. Early in 2008, GUIDE (Guiding Universities In Doctoral E-theses) merged into DART-Europe
  - DART-GUIDE supports advocacy and training
  - Earlier work by GUIDE is available through the DART Web site
    - A survey of e-theses developments across Europe, by country
    - Collation of good practice and toolkits covering advocacy, metadata, legal issues, and lessons learned from major European e-theses projects
Partnership Agreement

- ‘Light-touch’
  - Places very few obligations on partners
  - But helps to build a sense of community

- Partners agree to 7 principles, for example:
  - Partners are invited to contribute metadata, on their own terms, to the Portal
  - Partners are invited to contribute resources to support DART-Europe’s work
  - Partners help DART-Europe to be an effective network for etheses information, expertise and resources
Conclusion

- No dedicated funding means that progress has been incremental, but the Partners have remained enthusiastic, and results are now tangible.
- The Portal is potentially a useful scholarly resource, and there is already evidence that it is being used. It is time to start marketing it to the academic community.
- The Partners benefit from DART-Europe as an effective networking organisation - not just for thesis issues.
- Much to look forward to in the coming months
  - Collaboration with the KB; co-working with DRIVER; expansion of Partnership; further Portal developments; renewal of GUIDE’s work...
Further information

- DART-Europe Web site:
  www.dart-europe.eu/About

- Portal:
  www.dart-europe.eu

- Email:
  christopher.pressler@nottingham.ac.uk
  p.ayris@ucl.ac.uk

Thank you