



# *Move on up!*

## TCD TARA & the Benefits of Dspace 1.6

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Niamh Brennan, Trinity College Dublin  
Gavin Henrick, Enovation Solutions

Garret McMahan

Kevin Kiely

Stephen Ryan

Donal Lyons

Ciarán Walsh (Project Mgr)

Pere Villega

Phillip Franks

Christian Stynes



## TARA 2005-2009

- Tight Integration with Oracle based systems
  - TCD RSS - CERIF Compliant CRIS
  - Student Records Systems
  - Authentication systems
- DSpace version 1.3.2
  - Heavily customised
  - Running on Oracle
  - End of life servers

# CURRENT RESEARCH INFORMATION SYSTEM

- CV-driven
- Fully integrated with complementary systems
- initial population from Human Resources records
- updated & enhanced 'live' by researcher,
- mediated input on-demand (Library-based service)

Research Support System version 1.1


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## Curriculum Vitae

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	<b>Name</b>	DR JOHN HEGARTY
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	<b>Notes</b>	

## Professional Qualifications

Qualification	Institution	Class of Degree	Title of Dissertation	Date Conferred
BSc in Physics/Chemistry/Mathematics with Philosophy as an in-house subject	NUI Maynooth			1969
H Dip Ed	NUI Maynooth			1971
PhD	University College Galway (NUIG)			1976
ScD	Dublin University			2001

## Representations

Details	Date
Co-Founder and Director of Optronics Ireland	1989-2000
Coordinator of European Consortium on Microcavities	1993-2000

# Research Profile on College Staff Directory

## Staff Details

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### Personal Information



<b>Name</b>	Hegarty, John
<b>College Address</b>	Provost's Office, HOUSE 1, COLLEGE
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### Representations

Details	Date
Founder and Director of Optronics Ireland	1989-2000
Coordinator of European Consortium on Microcavities	1993-2000
Member of National Research Support Fund Board	1995-1998
Member of the Higher Education Authority (HEA)	1998-2001
Member of the Science Foundation Ireland Technical Advisory Panel on Information and Communications Technology	2000-2001

[More Representations>>>](#)

### Membership of Professional Institutions, Associations, Societies

Details	Date From	Date To
Member of the American Physical Society		

# Personal URL/Research Webpage

Address  <http://people.tcd.ie/jhegarty>



The University of Dublin | Trinity College

Ollscoil Átha Cliath | Coláiste na Tríonóide

## Staff Details

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### Personal Information



**Name**

Hegarty, John

**College Address**

Provost's Office,  
HOUSE 1, COLLEGE

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## School of Nursing & Midwifery

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- Last updated: Jul 14 2005.  
Email: [nursing.info@tcd.ie](mailto:nursing.info@tcd.ie)

### Personal Information

<b>Name</b>	Begley, Cecily Marion
<b>College Address</b>	School of Nursing & Midwifery Studies, D'OLIER STREET - SCHOOL OF NURSING
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<b>College Tel</b>	+353 1 608 2693

### Professional Qualifications

Qualification	Institution	Class of Degree	Title of Dissertation	Date Conferred
RGN	Meath Hospital			1975
RM	Coombe Hospital			1977
RNT	University College Dublin	Diploma in Nurse Education (Midwifery option), Distinction		1981
FFNRCSI	Royal College of Surgeons in Ireland			1982

# Curriculum Vitae



**Full Name** DR JOHN HEGARTY

**Gender** Male

**College Title** Provost

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**Url** <http://people.tcd.ie/jhegarty>

**Notes**

## Professional Qualifications

Qualification	Institution	Degree Class	Title Of Dissertation	Date Conferred
BSc in Physics/Chemistry/Matematics with Philosophy as an in-house subject	NUI Maynooth			1969
H Dip Ed	NUI Maynooth			1971
PhD	University College Galway (NUIG)			1976
ScD	Dublin University			2001

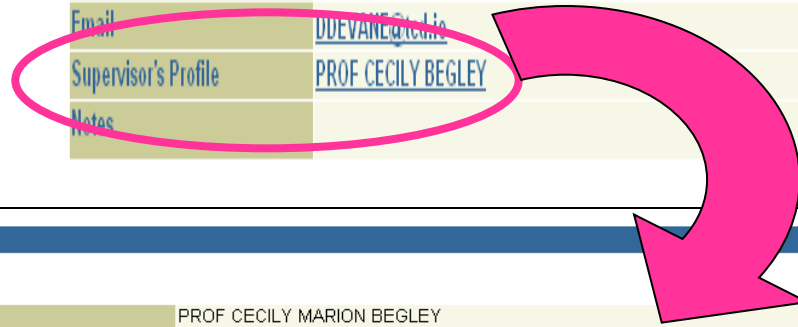
## Representations

Details	Date
Co-Founder and Director of Optronics Ireland	1989-2000
Coordinator of European Consortium on Microcavities	1993-2000
Member of National Research Support Fund Board	1995-1998
Member of the Higher Education Authority (HEA)	1998-2001
Member of the Science Foundation Ireland Technical Advisory Panel on Information and Communications Technology	2000-2001
Chair of the Deans/Vice Presidents for Research under CHIU	2000

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IMAGE  
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Name	MR DECLAN MARTIN DEVANE
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Supervisor's Profile	<a href="#">PROF CECILY BEGLEY</a>
Notes	



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Name	PROF CECILY MARION BEGLEY
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Notes	

### Expertise Ireland Description of Research Interests

Physiological childbirth; midwifery-led care; research methods; assertiveness; self-esteem; teaching and learning



	Invited Talk	O'Connell, B., Gene Transfer Technology and the Oral Cavity, <i>Latin American Association for Salivary Research, 3rd International Meeting, Vina del Mar, Chile, 15/11/99, 1999</i>
	Invited Talk	O'Connell, B., Viral-mediated Gene Transfer to the Salivary Glands, <i>University of Manchester, Biological Sciences-Physiology section, 15/12/99, 1999</i>
	Invited Talk	O'Connell, B., Gene Transfer and Gene Therapy, <i>Oral Biology at the Turn of the Century: Misconceptions, Truths, Challenges and Prospects, Interlake, Ontario, Canada, 20/8/98, 1998, European Research Group for Oral Biology</i>
	Invited Talk	O'Connell, B., Advances in Gene Therapy, <i>FDI, 86th Annual World Dental Congress; Scientific Frontiers in Clinical Dentistry, Barcelona, Spain, 9/10/97, 1997</i>
	Invited Talk	O'Connell, B., Genetic Regulation and Gene Expression of Salivary Proteins, <i>U.S.-China Workshop on the Role of Saliva in Oral Health, Beijing, 19/10/97, 1997</i>
	Invited Talk	O'Connell, B., Salivary Gland Specific Gene Expression-In vivo Gene Transfer as a Tool, <i>Gordon Research Conference: Saliva and Salivary Glands, Vail, Colorado, 25/2/97, 1997</i>
	Invited Talk	O'Connell, B., Gene Transfer; How to Teach an Old Gland New Tricks, <i>International Association for Dental Research, Annual Session, Orlando, 21/3/97, 1997</i>
	Invited Talk	O'Connell, B., Prospects for Salivary Gland Gene Therapy, <i>Graduate Student Seminar, University of Rochester, New York, 29/4/97, 1997</i>
	Invited Talk	O'Connell, B., Use of in Vivo Gene Transfer for the Study of Salivary Gland Function, <i>2nd Stenone Symposium, Cagliari, Italy, 24/5/97, 1997</i>
	Invited Talk	O'Connell, B., DNA as a Therapeutic Agent for Oral Disease, <i>University of Texas Health Science Center, San Antonio, 21/5/96, 1996</i>
	Invited Talk	O'Connell, B., Gene-based Approaches to the Treatment of Oral Disease, <i>Scientific Frontiers in Dentistry Symposium, Bethesda, 14/6/96, 1996</i>
	Invited Talk	O'Connell, B., Therapeutic Interventions: Gene Transfer to Salivary Glands, <i>Salivary Gland Biogenesis and Function, Airlie, Virginia, 10/11/96, 1996</i>
	Invited Talk	O'Connell, B., An Integrated Approach to Salivary Gland Repair (Symposium, Plenary lecture). Salivary Gland Gene Therapy (Lunch and Learning), <i>Association for Dental Research, Annual Session, San Antonio, 10-11/3/95, 1995</i>
	Invited Talk	O'Connell, B., Gene Therapy and Oral Diseases, <i>Academy of Prosthodontics, Annual Meeting, Tucson, 19/5/95, 1995</i> <i>Notes: [111]</i>
	Invited Talk	O'Connell, B., Gene Therapeutics: Supportive Therapies for Cancer Patients, <i>International Society for Oral Oncology, 9th Annual Meeting, Bethesda, 1994</i>
	Invited Talk	O'Connell, B., Salivary Gland Gene Therapy, <i>University of Alabama, Birmingham, 1/8/94, 1994</i>
	Invited Talk	O'Connell, B., Overview of Gene Therapy (Lecture). Salivary Gland Gene Therapy (Seminar), <i>University of Minnesota, Minneapolis, 6-7/10/94, 1994</i>
	Invited Talk	O'Connell, B., Adenovirus-Mediated Gene Transfer to the Salivary Glands, <i>Forsyth Dental Center, Boston, 15/7/93, 1993</i>

## +References

No data has yet been entered for the "References" section!

## Dissertations Supervised

Student	Degree	Title
BRENNAN, MAIRE BRIDGET	Professional Doctorate in Dental Surgery	Retrospective analysis of dental implants placed over a 6 year period, comparing overdentures and implant fixed complete dentures: patient satisfaction and quality of life
CANNING, THOMAS GREGORY	Professional Doctorate in Dental Surgery	Investigating the effect of skeletal pattern in determining articular settings for prosthodontic rehabilitation: An in-vivo study
FITZGERALD, MAURICE EDWARD	Professional Doctorate in Dental Surgery	The accuracy of bone mapping and guided flapless implant placement using a novel surgical guide. A human cadaver study
McDermott, Caroline Anne	Doctor in Philosophy	In vivo expression and in vitro regulation of salivary histatin 3

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**Title:** Reduced azole susceptibility in genotype 3 *C. dubliniensis* isolates associated with increased CdCDR1 and CdCDR2 expression.

**Other Titles:** Increased CdCDR1 and CdCDR2 expression in *C. dubliniensis*

**Authors:** COLEMAN, DAVID  
MORAN, GARY  
SULLIVAN, DEREK

**Author's Homepage:** <http://people.tcd.ie/disullvn>

**Keywords:** *Candida dubliniensis*  
Genotype 3  
Azole resistance

**Issue Date:** 2005

**Citation:** Pinjon, E., Jackson, C.J., Kelly, S.L., Sanglard, D., Moran, G., Coleman, D.C. and Sullivan, D.J., Reduced azole susceptibility in genotype 3 *C. dubliniensis* isolates associated with increased CdCDR1 and CdCDR2 expression., *Antimicrobial Agents and Chemotherapy*, 49, (4), 2005, p1312 - 1318

**Series/Report no.:** Antimicrobial Agents and Chemotherapy  
49, 4

**Abstract:** *Candida dubliniensis* is a recently identified yeast species primarily associated with oral carriage and infection in HIV-infected individuals. The species can be divided into at least four genotypes on the basis of the nucleotide sequence of the ITS region of the rRNA operon. Previous studies have shown that a small number of clinical isolates belonging to genotype 1 are resistant to the commonly used antifungal drug fluconazole. The aim of the present study was to investigate the molecular mechanisms responsible for reduced susceptibility to azole drugs in *C. dubliniensis* genotype 3 isolates obtained from a patient with fluconazole-recalcitrant oral candidiasis. Four isolates from a single clinical sample, one susceptible, the other three exhibiting reduced susceptibility to fluconazole, itraconazole, ketoconazole, voriconazole and posaconazole, were examined. Results showed that reduced susceptibility to azole drugs was associated with an increase in the expression of the multidrug transporters CdCDR1 and CdCDR2 which correlated with reduced intracellular accumulation of radiolabeled fluconazole and an increase in energy-dependent efflux mechanisms. In contrast to observations made in previous studies, overexpression of the most commonly encountered mechanisms of azole resistance in *C. dubliniensis* does not confer resistance to all azole drugs in the clinical isolates studied. This is the first report of a genotype 3 *C. dubliniensis* isolate with reduced susceptibility to all azole drugs.

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**Other Identifiers:** 13583

**Appears in Collections:** [Dental Science \(Scholarly Publications\)](#)

Link to Researcher's Profile

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## Files in This Item:

File	Description	Size	Format	
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## Publications

### Peer Reviewed

Walker AC, Fancey SJ, Desmulliez MPY, Forbes MG, Casswell JJ, Buller GS, Taghizadeh MR, Dines JAB, Stanley CR, Pennelli G, Boyd AR, Pearson JL, Horan P, Byrne D, Hegarty J, Eitel S, Gauggel HP, Gulden KH, Gauthier A, Benabes P, Gutzwiller JL, Goetz M, Oksman J, Operation of an optoelectronic crossbar switch containing a terabit-per-second free-space optical interconnect, *IEEE JOURNAL OF QUANTUM ELECTRONICS*, 41, (7), 2005, p1024 - 1036 [TARA - Full Text](#)

DUNBAR, LA, LYNCH, M, BRADLEY, AL, DONEGAN, JF, HEGARTY, J, STANLEY, RP, OESTERLE, U, HOUDRE, R, ILEGEMS, M, COLLISIONAL BROADENING OF SEMICONDUCTOR MICROCAVITY POLARITONS, *PHYSICA STATUS SOLIDI A-APPLIED RESEARCH*, 190, 2002, p435 - 440

Dunbar LA, Stanley RP, Lynch M, Hegarty J, Oesterle U, Houdre R, Ilegems M, Excitation-induced coherence in a semiconductor microcavity, *PHYSICAL REVIEW B*, 66, (19), 2002, p195307-1 - 195307-5

MCALAEVEY, FJ, OGORMAN, J, DONEGAN, JF, HEGARTY, J, MAZE, G, EXTREMELY HIGH SENSITIVITY GAS DETECTION AT 2.3 MU M USING A GRAZING INCIDENCE TM3+ FIBRE LASER CAVITY, *SENSORS AND ACTUATORS A-PHYSICAL*, 87, 2001, p107 - 112

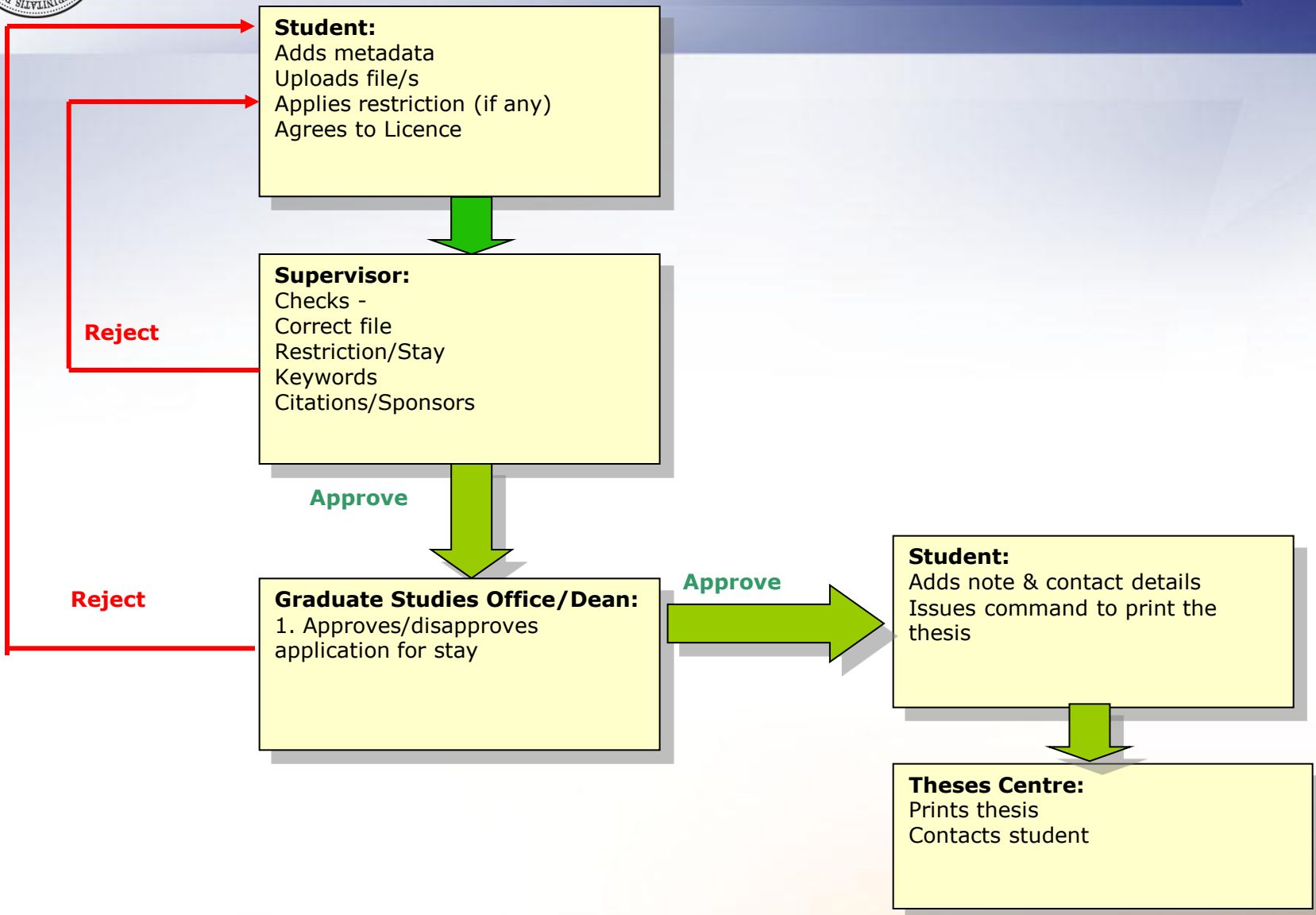
BOYLAN, K, SAMPLED GRATING DBR LASER AS A SPECTROSCOPIC SOURCE IN MULTIGAS DETECTION AT 1.52-1.57 MU M, *IEE PROCEEDINGS-OPTOELECTRONICS*, 148, 2001, p19 - 24 [TARA - Full Text](#)

MCALAEVEY, FJ, OGORMAN, J, DONEGAN, JF, HEGARTY, J, MAZE, G, POIGNANT, H, OPERATION OF TM3+ FIBER LASER AT LAMBDA=2.3 MU M COUPLED TO A SILICA FIBER BRAGG GRATING, *OPTICAL AND QUANTUM ELECTRONICS*, 33, 2001, p151 - 164

BRADLEY, AL, DORAN, JP, HEGARTY, J, STANLEY, RP, OESTERLE, U, HOUDRE, R, ILEGEMS, M, NONLINEAR REFLECTIVITY OF STRONGLY COUPLED EXCITON-PHOTON SYSTEMS UNDER RESONANT AND NON-RESONANT PUMPING, *JOURNAL OF LUMINESCENCE*, 85, 2000, p261 - 270

LOGUE, FP, NOVEL WAVEGUIDE DESIGN FOR HIGH BRIGHTNESS OPTOELECTRONIC APPLICATIONS, *OPTICAL AND QUANTUM ELECTRONICS*, 32, 2000, p1175 - 1182

Fancey, S.J.; Casswell, J.J.; Taghizadeh, M.R.; Walker, A.C.; Desmulliez, M.P.Y.; Stanley, C.R.; Boyd, A.; Pearson, J.L.; Horan, P.; Byrne, D.; Hegarty, J.; Eitel, S.; Gauggel, H.-P.; Gulden, K.; Gauthier, A.; Benabes, P.; Gutzwiller, J.L.; Goetz, M. Smart-pixel based free-space optoelectronic interconnect to demonstrate terabit/s regime I/O to silicon CMOS. *IFF*





## TARA was getting old...

- DSpace 1.3.2
- Based on old server stack
- Didn't adequately support local community administration
- Metadata tidying was slow and laborious
- Statistics were not strong



# Trinity Irish Art Research Centre

- Digital Image Projects
- Self-managed – more devolved administration required



	2009	<a href="#"><u>An Aran Man and his Wife</u></a>	<i>Keating, Sean (Irish painter)</i>
	2009	<a href="#"><u>Aran quayside with figures and donkey</u></a>	<i>Keating, Sean (Irish painter)</i>
	2009	<a href="#"><u>Armchair Traveller</u></a>	<i>Gale, Martin (Irish artist, b.1949)</i>
	2007	<a href="#"><u>Around Now</u></a>	<i>Weir, Grace (Irish artist, born 1962)</i>
	2009	<a href="#"><u>Artichoke Window</u></a>	<i>Gale, Martin (Irish artist, b.1949)</i>
	2009	<a href="#"><u>artist</u></a>	<i>Ballagh, Robert (b. 1943)</i>
	2009	<a href="#"><u>Artist's House (Front Room)</u></a>	<i>Francis, Mark (Irish artist b. 1962)</i>
			



## TARA – National Portal: RIAN

During upgrade RIAN.ie was being developed  
(also by Enovation Solutions)

- National Research Portal
- Had custom harvesting requirements
- Included Funder information
- Required metadata normalisation



## The Project - Scope

Project was multi-purpose

- Upgrade TARA to DSpace1.6 if released on time
  - Option to upgrade to DSpace 1.5.2 as fallback plan
- Maintain and extend the customisations for increased functionality.
- Migrate to new server infrastructure
- Build test cases to cover old and new codebase
- Implement compliance changes for national portal



## TARA - Upgrade

Tara was DSpace 1.3.2 and had a range of changes

- Single Sign On with the RSS
- Custom authentication permissions with LDAP
- Custom E-theses submission system
- Hiding empty collections
- Integration



## TARA - Infrastructure

TARA servers were nearing end of life

- New virtual infrastructure in TCD
- New server configuration including OS
- Replica infrastructure needed for test development
- Tight cooperation between IT and Dev teams



## TARA - Testing

Implement rigorous test cases to ensure successful migration of:

- Data
- Workflow
- Customisation
- Integration



## TARA – Go Live preparations

Preparations coming up to Go Live date

- New virtual hosting commissioning, backup/recovery process validation
- System Upgrade and Data Migration dry runs to assess Go Live duration & down time for users
- Bulk of bitstreams copied to new system in advance so Go Live only required sync of changes/additions
- Integration testing with RSS & LDAP test systems
- Testing against DSpace 1.6 Release Candidates
- Modular code packages for rapid deployment





## TARA – re-Launch Day

The day of go live was a waterfall of mini projects

- DSpace 1.6 final released
- Lock live site
- Snapshot live site to the new server
- Perform the upgrade on new setup
- Re-apply all customisations
- Run automated tests and rerun manual tests
- Update server/domain configs
- Turn it on



## The Team

### Trinity College Dublin

Niamh Brennan

Garret McMahon

Kevin Kiely

Stephen Ryan

Donal Lyons

### Enovation Solutions

Gavin Henrick

Ciarán Walsh (Project Mgr)

Pere Villega

Phillip Franks

Christian Stynes



# The Benefits



# Benefits for Autonomous Communities

- Community administration
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RIC Search ▼

Search

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## Study Planning

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Overview

Study Planning

Dissemination

Tools

Discussions

Participants

Repository

## Study Planning

Idea Discovery **Review Literature**

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### Search Literature For Review

drogheda

Display Options

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Zetoc Wellesley TARA(Dspace) EEBO

- Prev Showing 1 - 15 out of 45 Next
- Drogheda,  
*Authors:* Ashford, William (Irish painter, 1746-1824),  
*Abstract/Description:* Title: Drogheda Author: Ashford, William (Irish painter, 1746-1824) ,
  - St Mary's, Drogheda,  
*Authors:* Béranger, Gabriel (French draftsman, ca. 1729-1817, active in England and Ireland),  
*Abstract/Description:* Title: St Mary's, Drogheda Author: Béranger, Gabriel (French draftsman, ca. 1729-1817, active in England and Ireland) ,
  - St. Peter's Church, Drogheda, County Louth - Tomb Surround,  
*Authors:* Rae, Edwin,  
*Abstract/Description:* Title: St. Peter's Church, Drogheda, County Louth - Tomb Surround  
Author: Rae, Edwin Description: (handwritten on back of image): 68.95, Drogeghda, Co. Louth: St. Peter's Protestant churchyard: Transi tomb: Side piece ,
  - St. Peter's Church, Drogheda, County Louth - Transi,  
*Authors:* Rae, Edwin,  
*Abstract/Description:* Title: St. Peter's Church, Drogheda, County Louth - Transi Author: Rae, Edwin Description: (handwritten on back of image): 68.94, Drogeghda, Co. Louth: St. Peter's Protestant churchyard: Transi tomb: Mensa (multiple images on file) ,
  - St. Peter's Church, Drogheda, County Louth - Baptismal Font,  
*Authors:* Rae, Edwin,  
*Abstract/Description:* Title: St. Peter's Church, Drogheda, County Louth - Baptismal Font  
Author: Rae, Edwin Description: (handwritten on back of image): 68.93, Drogheda, Co. Louth: St. Peter's Protestant Church: Font: N. face ,
  - St. Peter's Church, Drogheda, County Louth - Baptismal Font,  
*Authors:* Rae, Edwin,  
*Abstract/Description:* Title: St. Peter's Church, Drogheda, County Louth - Baptismal Font  
Author: Rae, Edwin Description: (handwritten on back of image): Drogheda, Co. Louth: St. Peter's Church: Detail of baptismal font: Baptism of Christ (multiple images on file) ,
- Prev Showing 1 - 15 out of 45 Next

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## About PEER

The aim of PEER is to build a substantial body of evidence, by developing an "observatory" to monitor the effects of systematic archiving of time. Participating publishers will collectively contribute 300 journals to the project and supporting research studies will address issues such as:

- How large-scale archiving will affect journal viability
- Whether it increases access
- How it will affect the broader ecology of European research
- Which factors influence the readiness to deposit in institutional and disciplinary repositories and what the associated costs might be
- Models to illustrate how traditional publishing systems can coexist with self-archiving.

The [International Association of Scientific, Technical and Medical Publishers \(STM\)](#), the [European Science Foundation](#), [Göttingen State and University Library](#), the [Max Planck Society](#) and [INRIA \(Institut National de Recherche en Informatique et en Automatique\)](#) will collaborate on PEER, supported by the [SURF Foundation](#) and the [University of Bielefeld](#), which will contribute the expertise of the EU-funded [DRIVER](#) project.

Also participating in PEER are the [Koninklijke Bibliotheek \(National library of the Netherlands\)](#) and the following repositories and STM publishers:

### PEER repositories:

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**ID / Element / Qualifier / Scope Note**

ID	Element	Qualifier	Scope Note	Update	Delete...
2	contributor	advisor	Use primarily for thesis advisor.	Update	Delete...
146	contributor	attribution		Update	Delete...
3	contributor	author		Update	Delete...
147	contributor	corporatename		Update	Delete...
208	contributor	correspAuthor	PEER field. Use for creator i.e. the corresponding author	Update	Delete...
81	contributor	dateofbirth		Update	Delete...
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5	contributor	illustrator		Update	Delete...




## RIAN COMPLIANCE

National Portal [www.rian.ie](http://www.rian.ie)

- Showcase of Irish Open Access published research
- Content from 7 Irish Universities and Dublin Institute of Technology
- Harvesting normalised metadata including
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  - Peer review status

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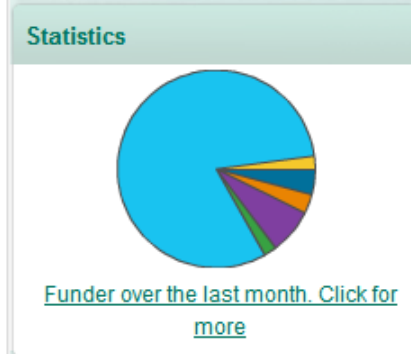
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Queries	Keywords
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history international	ireland law
national physics	report research
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 **RSS**

[SWORD v2.0: Deposit Lifecycle](#)  
2010-07-06 19:48:04

""SWORD is a hugely successful JISC project which has kindled repository interoperability and built a

# Metadata

## 4. List of all the elements

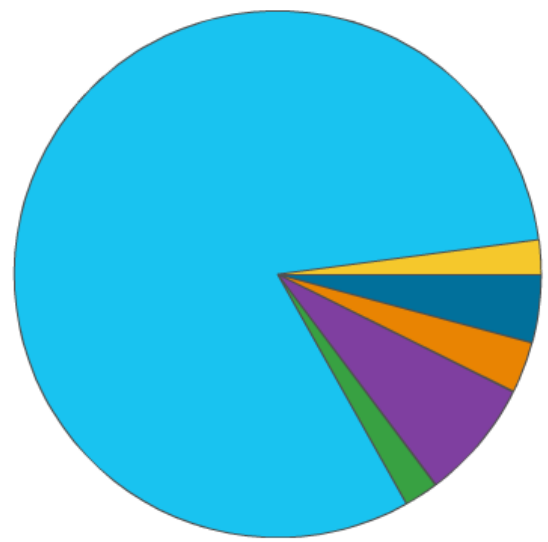
	Basic element	Status	Encoding schemes	Length
1.2.1	Title	M	None	1-1000
1.2.2	Creator	MA	None	1-200
1.2.3	Subject	M	Choice of keywords and classifications is free.	1-200
1.2.4	Description	MA	None, "Abstract" is the default value for dc:description. Recommended practice is to add an abstract in English.	(longest abstract harvested was 5.5k) 1-20 000
1.2.5	Publisher	MA	None	1-200
1.2.6	Contributor	O	None	0-200
1.2.7	Date	M	Date   ISO 8601 W3C-DTF, "Created" is the default value for dc:date	4-29
1.2.8	Type	M	DRIVER / DCMI / Eprints Type Vocabulary Encoding Scheme.	1-200
1.2.9	Format	R	IANA list of MIME types	0-200
1.2.10	Identifier	M	Persistent identifier like URN, URI, handle	1-500
1.2.11	Source	O	Crosswalks required if used	0-5000
1.2.12	Language	R	ISO 639-3	2-3
1.2.13	Relation	O		0-500
1.2.14	Coverage	<i>Non- IREL-Open Core</i>		n/a
1.2.15	Rights	<i>Non- IREL-Open</i>		n/a

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This is an overview of items added to RIAN. The results and display can be adjusted using the options below

Graph:  Item View:  From:   To:



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# Contributor

This is the page about contributor.

Contributor can be used for the following purposes:

1. Generic contributor to the item (this could be an editor, etc.)
2. Funder of the item (there can be more than one funder associated with each item)
3. Supervisor - theses only

	Basic element	Status	Encoding schemes	# Occurrences	# Characters	Value	Rules and reporting	Comments
1.2.6	Contributor	O	None	0-20	1-200	Text	<p>If # occurrences &gt;20 then accept record but ignore additional occurrences. Send warning.</p> <p>If # characters &gt; 200 then accept record but ignore additional characters. Send warning.</p> <p>If occurrence contains "funder:" at the beginning of the element then store the occurrence as a funder rather than storing it as a contributor.</p> <p>If item type="Doctoral thesis" then store occurrence as a supervisor rather than storing as a contributor.</p> <p>If item type="Master thesis (Taught)" then store occurrence as a supervisor rather than</p>	This is assuming there is only one contributor in each dc:contributor field

- Fulltext search of TARA for 'SFI', 'Science Foundation Ireland'
- **Export metadata** of search results
- Add 'Science Foundation Ireland' to dc.contributer.sponsor
- **Import the metadata**

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[Computer Science](#) >  
[Computer Science \(Scholarly Publications\)](#) >

**Please use this identifier to cite or link to this item:** <http://hdl.handle.net/2262/40103>

**Title:** Supporting Composite Smart Home Services with Semantic Fault Management

**Other Titles:** The 5th International Symposium on Smart Home (SH 2010) at FutureTech 2010

**Author:** [KEENEY, JOHN](#)  
[LEWIS, DAVID](#)  
[BRENNAN, ROB](#)  
[ETZIONI, ZOHAR](#)

**Sponsor:** [Science Foundation Ireland](#)

**Author's Homepage:** <http://people.tcd.ie/jkeeney>  
<http://people.tcd.ie/delewis>  
<http://people.tcd.ie/rbrenna>  
<http://people.tcd.ie/etzioniz>

**Keywords:** Smart Home  
Composite Service Management  
Fault Management  
UPnP

**Issue Date:** 2010

**Citation:** Zohar Etzioni, John Keeney, Rob Brennan, David Lewis, Supporting Composite Smart Home Services with Semantic Fault Management, The 5th International Symposium on Smart Home (SH 2010) at FutureTech 2010, 21-23 May 2010 in Busan, Korea, 21-23 May 2010, 2010

**Abstract:** The proliferation of smart home technologies providing home users with digital services presents an interoperability problem. This paper asserts that the value of these services can be greatly extended by enabling technology-neutral compositions of these home services, and furthermore that the reliability of such composite services will be of paramount importance to ensuring widespread deployment. Therefore fault management capabilities must accompany the composition

Calibri 11

**B** *I* U

Font

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Alignment

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General

Number

Conditional Formatting

Format as Table

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Styles

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Cells

Σ

Sort & Filter

Find & Select

Editing

H37

search-resultsSFI

C	D	E	F	G	H	I	J
MURPHY, PAULA		NOWLAN, NIAMH CATHERINE		PRENDERGAST, PATRICK JOHN	Science Foundation Ireland	Irish Research Council for Science Engineering a	2008
SATTI, AMRO					Science Foundation Ireland		2010

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Author(s)

Institution

Publication types

Funder

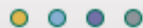
Year

## Select Funder to Browse by:

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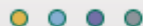
Funder: [Environmental Protection Agency \(16\)](#)



Funder: [Health Research Board \(151\)](#)



Funder: [Higher Education Authority \(170\)](#)



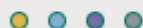
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- Author(s)
- Institution
- Publication types
- Funder
- Year

Limited By: Funder\_id = SFI;

1130 items found Sort by  Order   per page

Displaying Results 1 - 25 of 1130 on page 1 of 46

**Mark**  
['Loosely-coupled' consistency between agent-oriented conceptual models and Z specifications \(2005\)](#)  
 Krishna, Aneesh; Ghose, Aditya K.; Vilkomir, Sergiy A.

**Mark**  
  
[\(Web Search\) shared : social aspects of a collaborative, community-based search network \(2008\)](#)  
 Coyle, Maurice; Smyth, Barry

**Mark**  
[2006 IEEE International Conference on ICASSP 2006 Proceedings. \(2006\)](#)  
 tcd-author

**Institution**

- Dublin City University (416)
- NUI Maynooth (5)
- Trinity College Dublin (542)
- University College Cork (38)
- University College Dublin (94)
- University of Limerick (35)

**Item Type**

- Book (1)
- Book chapter (8)
- Conference item (547)
- Doctoral thesis (31)
- Journal article (466)
- Master thesis (research) (5)
- Report (36)
- Review (1)
- Working paper (7)
- Other (28)



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Portal Reports

RSS Feeds

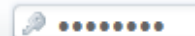
Change Password

- Sets updated.

## Manage Exposed Sets

These SETS will be harvested from Rian.ie by other OAI service providers such as DRIVER etc. You can limit the exposure of the records in these SETS by setting 'Set Is Active' to 'No'.

Set Name	Set Is Active All No <input type="checkbox"/>   All Yes <input checked="" type="checkbox"/>
DART-EUROPE	<input checked="" type="radio"/> <input type="radio"/>
DRIVER	<input checked="" type="radio"/> <input type="radio"/>
Funder:EI	<input checked="" type="radio"/> <input type="radio"/>
Funder:EPA	<input checked="" type="radio"/> <input type="radio"/>
Funder:HEA	<input checked="" type="radio"/> <input type="radio"/>
Funder:HRB	<input checked="" type="radio"/> <input type="radio"/>
Funder:IRCHSS	<input checked="" type="radio"/> <input type="radio"/>
Funder:IRCSET	<input checked="" type="radio"/> <input type="radio"/>
Funder:IrishAid	<input checked="" type="radio"/> <input type="radio"/>
Funder:MarineInstitute	<input checked="" type="radio"/> <input type="radio"/>
Funder:SFI	<input checked="" type="radio"/> <input type="radio"/>
Funder:Teagasc	<input checked="" type="radio"/> <input type="radio"/>
Institution:TCD	<input checked="" type="radio"/> <input type="radio"/>
NonPeerReviewed	<input checked="" type="radio"/> <input type="radio"/>
PeerReviewed	<input checked="" type="radio"/> <input type="radio"/>
TCDNonPeerReviewed	<input checked="" type="radio"/> <input type="radio"/>



Open Access & EC Pilot

How to deposit

Support

National OA Desks

About the Project

## Open Access



Open Access is the immediate, online, free availability of research outputs without restrictions on use commonly imposed by publisher copyright agreements. It concerns the outputs that scholars normally give away free to be published – peer-reviewed journal articles, conference papers and datasets of various kinds. [Learn more...](#)

## Open Access in Europe



Two main European OA initiatives are in progress which will improve access to, and will accelerate the research and discovery process:

- Open Access Pilot in FP7: [Read more...](#)
- ERC Scientific Council Guidelines for Open Access: [Read more...](#)

## Supporting OA depositon



OpenAIRE has set up a Helpdesk to answer your questions about the FP7 pilot and ERC OA guidelines, and on depositing Open Access publications.

Check out our [FAQ](#) or [post your question](#) to our Helpdesk.

NEW

## Latest News

COAR and OpenAIRE: Enhancing the Interoperability of Repositories for International Research  
17/06/2010

Bird of Feather session at OR 2010 Wednesday, July 7, 2010 @ 17:30 - 19:00

<http://or10.crowdvine.com/pages/b>  
Interoperability of open access repositories enhances the visibility of research output [ ... ]

20 FEBRUARY 2010

## European Countries join forces to realize the EC Open Access pilot: OpenAIRE

OpenAIRE (Open Access Infrastructure for Research in Europe), a three-years project funded under the 7<sup>th</sup> Framework Programme of the European Commission, has now taken up its work to implement Open Access on a pan-European scale. This ambitious effort unites 38 partners from 27 European countries.

The main goal of OpenAIRE is to support the Open Access pilot, launched by the European Commission in August 2008. This Open Access pilot, which covers about 20% of the FP7 budget, commits researchers from 7 thematic areas (Health, Energy, Environment, Information & Communication Technology, Research Infrastructures, Socio-economic sciences & Humanities and Science in Society) to deposit their research publications in an institutional or disciplinary Open Access repository, to be made available worldwide in full text. OpenAIRE will establish underlying structures for researchers to support them in complying with the pilot through





## Upcoming Changes

Phase 2 of upgrade planned for Q3 2010

- Enhanced embargo feature
- Advanced reporting
- Significant UI changes
- Rebuild of Minho stats on 1.6 base
- Implementation of Author alerts



## Contacts Details

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Enovation Solutions

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