
ResearcherID and University Publication Data: a case study at The University of Queensland



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Amberyn Thomas

Andrew Bennett

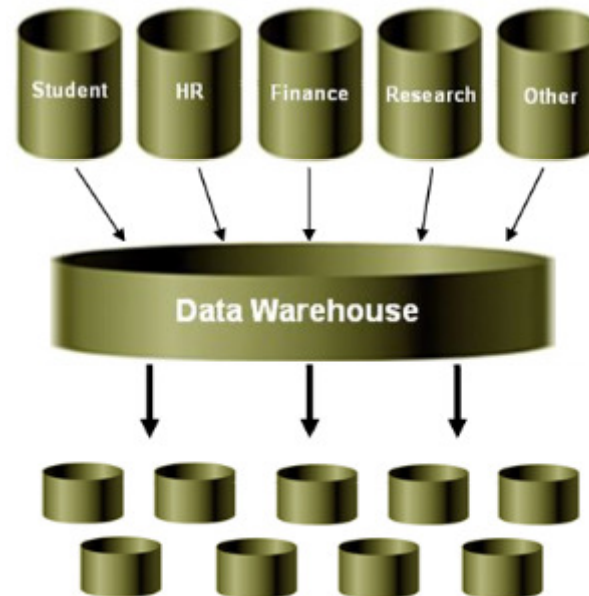
Andrew Martlew

Christiaan Kortekaas

& TR team of Reynold Guida, Ellen Rotenberg et al.

Overview of UQ Publications

UQ BI Environment



What publication data is in eSpaceand how it got there

- Eprints – eSpace
- Self-submission
- RQF preparations

Imported RM data (HERDC)

Other data collected (CVs, NCR data)

- 2008, 2009 HERDC

School/Centre based collection

- ERA preparations

eSpace data entry team

Typical eSpace Journal Article Record:

Manufacture of high pressure die-cast radio frequency filter bodies

Dargusch, M. S., Wang, G., Schauer, N., Dinnis, C. M. and Savage, G. (2005) Manufacture of high pressure die-cast radio frequency filter bodies. *International Journal Of Cast Metals Research*, 18 1: 47-53.

Document type: Journal Article

Collections: [Excellence in Research Australia \(ERA\) - Collection](#) [Publications of the School of Engineering](#)

Author(s) Dargusch, M. S.
Wang, G.
Schauer, N.
Dinnis, C. M.
Savage, G.

Title Manufacture of high pressure die-cast radio frequency filter bodies

Journal name International Journal Of Cast Metals Research

Publication date 2005

Volume number 18

Issue number 1

ISSN 1364-0461

Start page 47

End page 53

Total pages 7

Place of publication Leeds

Publisher Maney Publishing

Collection year 2005

Language eng

Subject C1
[291302 Physical Metallurgy](#)
[671004 Castings](#)

Abstract The manufacture of a radio frequency filter box using high pressure die casting (HPDC) is compared to the traditional high speed machining route. This paper describes an industrial exercise that concluded HPDC to be an economical and appropriate method to produce larger volumes of thin-walled telecommunications components. Modifications to the component design were made to make the component suitable for the HPDC process. Development of the die design through simulation modelling is described. The wrought alloy was replaced by near-eutectic Al-Si die casting alloy that was found to give better temperature stability performance. Apart from the economic benefits, HPDC was found to give lower filter efficiency losses through better surface finish. The effects of HPDC process variables, such as intensification pressure and injection piston velocity, on component quality, particularly porosity levels, were investigated. The pressure was analysed in terms of HPDC machine set pressure and the pressure measured in the die cavity by pressure sensors. Porosity was found to decrease with increased pressure and slightly increase with higher casting velocities.

Keyword(s) Metallurgy & Metallurgical Engineering
high pressure die casting
simulation and die design
process variables
light metals manufacturing
telecommunications components

Related Links

Link	Description
http://ezproxy.library.uq.edu.au/login?url=http://dx.doi.org/10.1179/136404605225022784	Article DOI - full text from publisher
http://ezproxy.library.uq.edu.au/login?url=http://www.ingentaconnect.com/content/maney/ijcmr;jsessionid=3ap875t42g91.alice	Journal web site

Done

Start | Internet Explorer | Firefox | Google Chrome | Opera | Mail | Outlook | Downloads | ScreenB... | RID Ser... | Talk Out... | eSpace... | Talk-not... | FW: PPT... | UQ-TR p... | RE: eSp... | Researc... | RE: Erro... | Clipboar... | Manufa... | 2:03 PM

What is *ResearcherID*?

And what was the project all about?

RID: allows a person to uniquely identify themselves as the author on all of their WoS pubs, allows others to view their citation metrics instantly e.g <http://www.researcherid.com/rid/A-1194-2008>

Pilot Project:

- Work with Thomson-Reuters to develop a service that could:
 - Bulk register UQ academics for RIDs
 - Provide UQ with access to the RID accounts for batch upload and download of publication data
 - Initial phase of the project involved working with TR to develop appropriate workflows
-

Why our interest in *ResearcherID* service?

Increase profile of UQ researchers

Possibility of richer publication metadata

Possibility of validating/correcting eSpace records

Possibility of getting publication data for new staff (if they already have a RID)

What we did....

- Worked with 10 academics from School of Population Health

Pub data in endnote files and in eSpace

School currently uses citation metrics for performance measurement

- Created RIDs for these 10 academics

Uploaded profile data ensuring correct institutional affiliation, current email addresses

Processed resulting status reports and automatically completed part of registration process, manually finalised registration

- Also worked with 2 UQ academics who already had RIDs (linked to their WoS publications)
-

What we did next....

- Uploaded publication data to RID accounts

to new accounts only (for testing)

used endnote data and eSpace data

varied publication details (left fields out, uploaded duplicates, intentional errors in some fields)

- Downloaded publication data from existing and new RID accounts

identify what the RID service does to and with the uploaded publications

Sample Results – in test environment

Search Results (All Fields:"B-type systematic review", Status:" Published") - Fez Dev - Mozilla Firefox

http://dev-repo.library.uq.edu.au/uqamart/fez/list/?order_by=Relevance&cat=quick_filter&search_keys[0]=B-type+systematic+review

Fez Dev

Search Results (All Fields:"B-type systematic review", Status:" Published")

Browse Results (2 results found) [Subscribe to the RSS feed for this result set](#)

Sort results by Search Relevance Desc Display results Default Set objects per page 50

Refine	Results	Citation count
<p>Author</p> <ul style="list-style-type: none"> Dobson, A (2) Doust, JA (2) Glasziou, PP (2) Pietrzak, E (2) <p>Author ID</p> <ul style="list-style-type: none"> Dobson, Annette J. (2) Doust, Jennifer (2) <p>Keywords</p> <ul style="list-style-type: none"> Cardiomyopathy (2) Combination (2) General & Internal Medicine (2) Left-ventricular Dysfunction (2) Medical Research, General Topics (2) 	<p>Doust, JA, Pietrzak, E, Dobson, A and Glasziou, PP (). <i>How well does B-type natriuretic peptide predict death and cardiac events in patients with heart failure: systematic review.</i> 0.97</p> <hr/> <p>Doust, JA, Pietrzak, E, Dobson, A and Glasziou, PP (2005). <i>How well does B-type natriuretic peptide predict death and cardiac events in patients with heart failure: systematic review.</i> , 330 (1), 625-627.</p>	<p>137</p>

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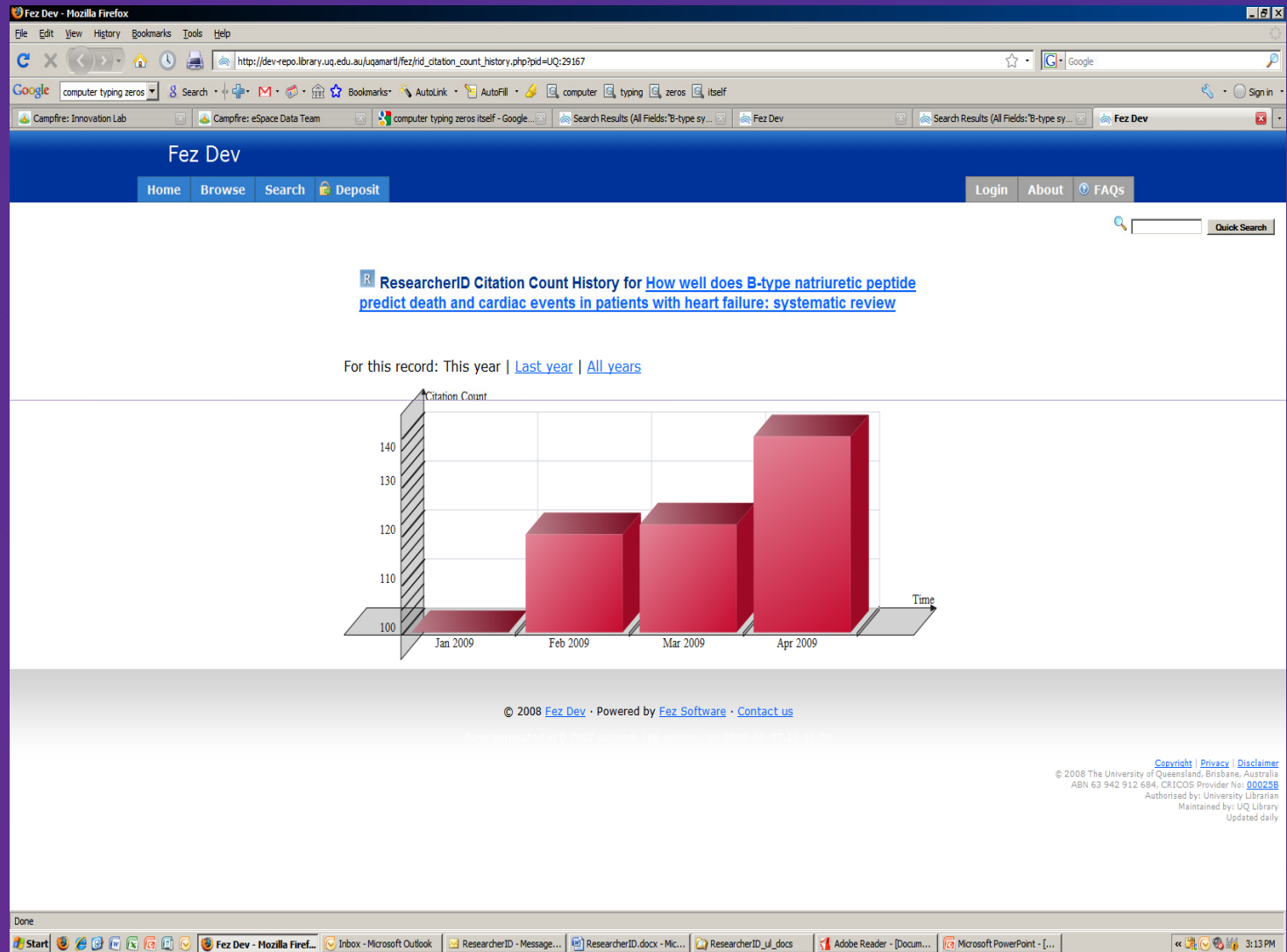
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 Updated daily

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Search Results (All F... | Inbox - Microsoft Outlook | ResearcherID - Message... | ResearcherID.docx - Mic... | ResearcherID_ul_docs | Adobe Reader - [Docum... | 3:06 PM

And a hypothetical showing how UQ will be able to present citation counts with time for a publication:



What's in it for UQ?

Depends on who you are.....

- Researcher:

get a populated RID account using UQ's existing eSpace publication data, transportable, increased exposure, easy access to their citation metrics

- eSpace Repository: *better quality data and richer metadata*

- Head of School or Research Director:

easy access to information useful from a research performance perspective – citations for publications, can get citation profiles for staff who have a RID

- Institution:

increased visibility of UQ researchers and better knowledge of our researchers, possibility of easy ingest of work for new staff who have RID accounts

Other Possibilities – access to other products to enhance UQ's knowledge of researchers, additional metrics

View Overall Reports - InCites Connection - Windows Internet Explorer

http://incites-qa.isiknowledge.com/cognos8/cgi-bin/cognos.cgi?b_action=xts.run&m=portal/cc.xts

View Overall Reports - InCites Connection

InCites™ Brennan, Patricia A [Log Off](#) [InCites Help](#)

Viewing Dataset: University of Queensland

View Overall Reports [Limit Report Results](#) [My Folders](#)

- Summary Metrics
- Source Articles Listing
- Citation Frequency Distribution
- Time Series 1 year citing all prior years
- Time Series 1 Year Cited by all subsequent years
- Time Series 5 years citing 5 years
- Author Ranking (source articles)
- Institution Ranking (source articles)
- Country Ranking (source articles)
- Field Ranking (source articles)
- Journal Ranking (source articles)
- Keyword Ranking (source articles)
- Article Type (source articles)
- Citing Articles Listing
- Author Ranking (citing articles)
- Institution Ranking (citing articles)
- Country Ranking (citing articles)
- Field Ranking (citing articles)
- Journal Ranking (citing articles)
- Article Type Ranking (citing articles)

InCites™ Field Ranking (source articles)

Rank determined by total citations

Sort By: Total Articles

Rank	Field	Total Citations	Total Articles	Avg Cites per Article	h-index	Journal actual / Expected Cites (JXC)	Category actual / Expected Cites (CXC)	Mean Percentile
1		5,331	201	26.52	39	1.61	1.68	32.59
3		3,894	139	28.01	36	1.78	2.02	25.98
4		1,650	112	14.73	23	1.53	1.60	34.01
2		4,117	104	39.59	31	2.19	3.42	16.78
12		143	14	10.21	7	1.42	1.50	36.45
16		92	13	7.08	6	0.62	0.83	33.63
8		213	12	17.75	7	1.18	1.37	44.19
11		144	12	12.00	6	1.14	1.84	31.78
5		278	11	25.27	8	1.15	1.39	35.98
14		138	11	12.55	7	0.97	1.65	28.69
15		123	11	11.18	3	1.23	2.04	37.88
7		228	10	22.80	7	1.32	1.64	33.77
6		229	9	25.44	7	1.54	1.93	29.60
13		139	9	15.44	4	1.09	2.00	20.81
17		88	6	14.67	4	2.29	1.04	49.62
19		82	6	13.67	3	2.25	1.09	48.55
21		78	6	13.00	2	1.06	2.60	7.98
25		51	6	8.50	3	2.37	1.66	26.23
32		20	6	3.33	3	0.74	0.36	60.70
9		178	5	35.60	5	1.72	2.75	17.05

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Implications, Applications and Future: where to from here?

- Work with UQ academics who have RIDs
- Look at viability of bulk registration of another UQ cohort
- Work on importing higher volumes of downloaded publication data into eSpace

e.g. more sophisticated de-duping

- Get the data into UQ data warehouse
- Continue to work with TR to enhance the service
 - dealing with duplicates (in non-WoS pubs)
 - providing a UQ publication id
 - better matching to WoS pubs (allowing for errors and omissions in uploaded fields)