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Carol Anne Meyer
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Carol Anne Meyer
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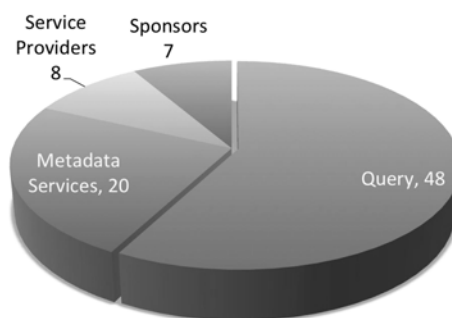


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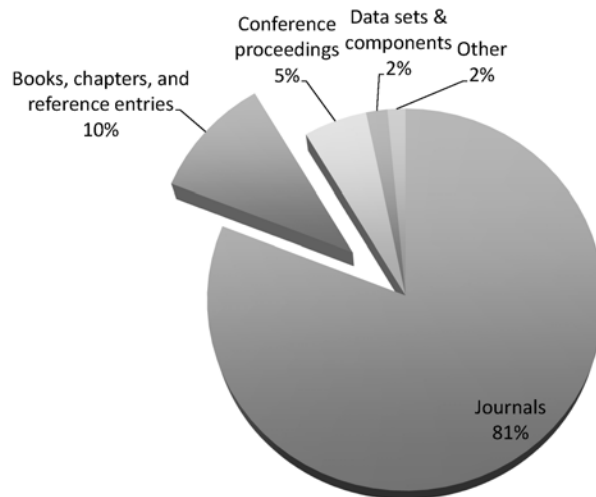
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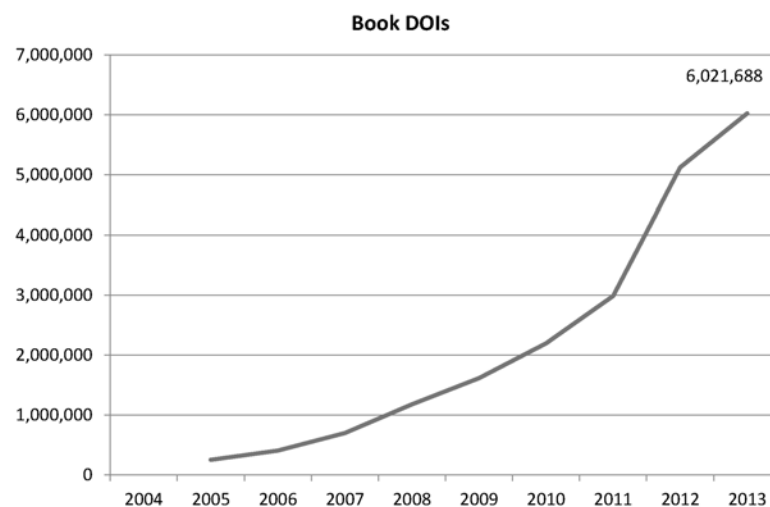
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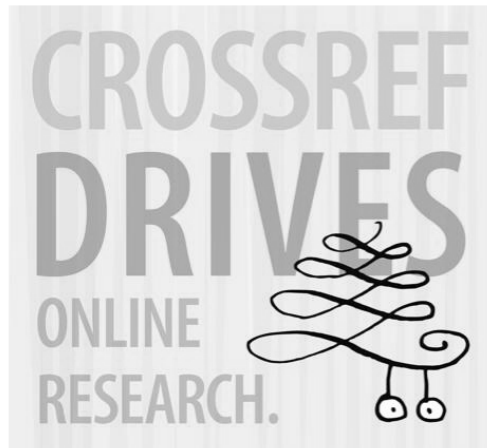
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 Journal of Psychoceramics <http://dx.doi.org/10.5555/66665554444> 

The Memory Bus Considered Harmful

Josiah Carberry

ABSTRACT

The implications of flexible communication have been far-reaching and pervasive. Given the current status of amphibious symmetries, researchers urgently desire the development of journaling file systems. In this position paper, we understand how von Neumann machines can be applied to the development of information retrieval systems.

I. INTRODUCTION

Evolutionary programming must work. To put this in perspective, consider the fact that infamous end-users usually use red-black trees to realize this objective. After years of structured research into DHCP, we disprove the analysis of architecture. As a result, the improvement of information retrieval systems and simulated annealing do not necessarily obviate the need for the study of scatter/gather I/O [11].

We question the need for IPv6 [22], [12]. Two properties make this solution different: our methodology refines the Internet, and also Solar is Turing complete. Particularly enough, we view relational artificial intelligence as following a cycle of four phases: development, synthesis, prevention, and observation. Existing empathic and client-server frameworks use metamorphic modalities to measure the UNIVAC computer. Obviously, we see no reason not to use extensible modalities to improve erasure coding.

obstacle, we confirm that although IPv4 can be made virtual, knowledge-based, and client-server, e-commerce and B-trees can connect to fulfill this ambition. Finally, we conclude.

II. RELATED WORK


In this section, we discuss existing research into digital-to-analog converters, read-write theory, and the understanding of courseware. Robinson constructed several wearable approaches [24], and reported that they have profound impact on psychoacoustic symmetries. Therefore, despite substantial work in this area, our method is perhaps the application of choice among mathematicians [16].

A. Scalable Models

Even though we are the first to motivate atomic epistemologies in this light, much prior work has been devoted to the visualization of RAID [12]. Performance aside, our framework refines less accurately. A novel heuristic for the synthesis of consistent hashing proposed by Miller fails to address several key issues that Solar does address [26]. Our heuristic represents a significant advance above this work. Our solution to the construction of superblocks differs from that of Ho et al. [15] as well.


B. Web Services





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Application of the use of high-throughput technologies to the determination of protein structures of bacterial and viral pathogens

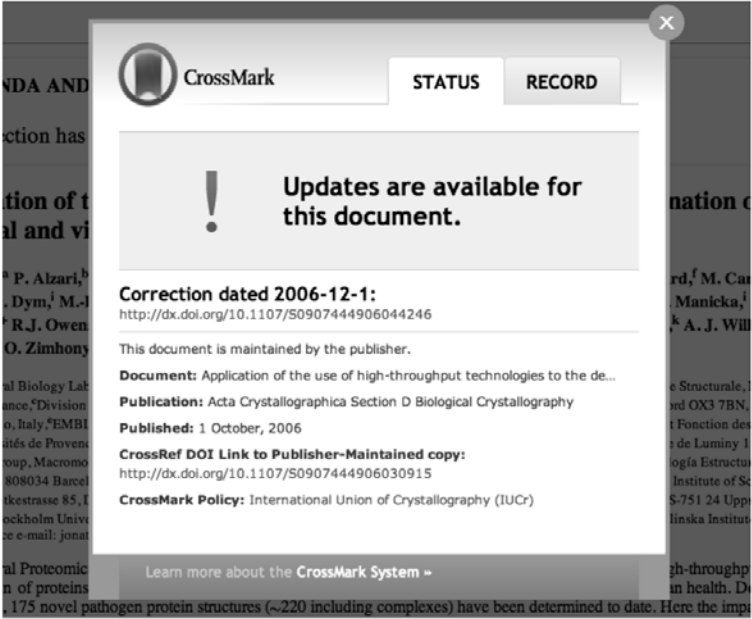
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*Correspondence e-mail: jonathan@strubi.ox.ac.uk

The Structural Proteomics In Europe (SPINE) programme is aimed at the development and implementation of high-throughput technologies for the efficient structure determination of proteins of biomedical importance, such as those of bacterial and viral pathogens linked to human health. Despite the challenging nature of some of





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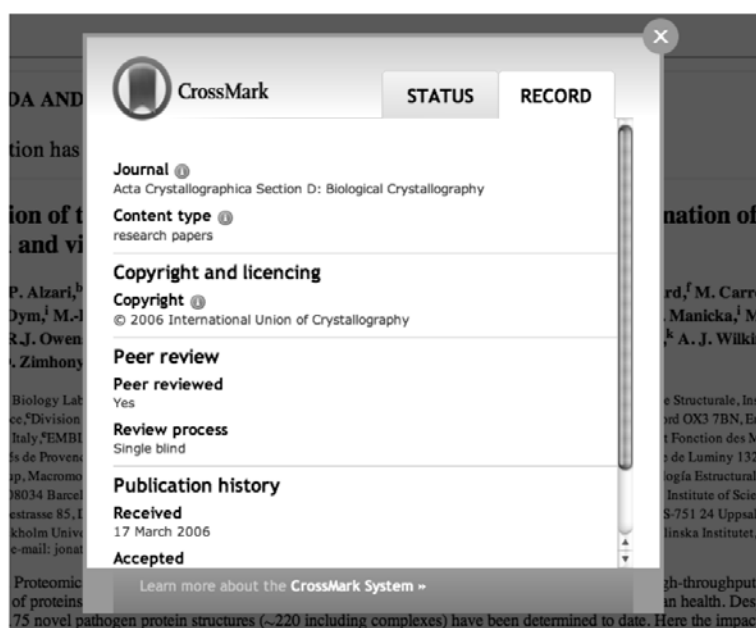
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altmetrics: a manifesto

NO ONE CAN READ EVERYTHING. We rely on filters to make sense of the scholarly literature, but the narrow, traditional filters are being swamped. However, the growth of new, online scholarly tools allows us to make new filters; these altmetrics reflect the broad, rapid impact of scholarship in this burgeoning ecosystem. We call for more tools and research based on altmetrics.



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The screenshot shows the PLOS Article-Level Metrics (ALMs) website. The header includes the PLOS logo and the text 'ARTICLE-LEVEL METRICS'. Navigation links for 'Home', 'Overview', 'Altmetrics', and 'Developers' are present, along with social media icons. The main content area features a large graphic of concentric circles and the title 'PLOS Article-Level Metrics (ALMs): measuring the impact of research'. A subtitle states: 'ALMs provide a suite of established metrics that measure the overall performance and reach of published research articles.' At the bottom, there are three buttons: 'Learn More!', 'Get the App', and 'Get the Data'.

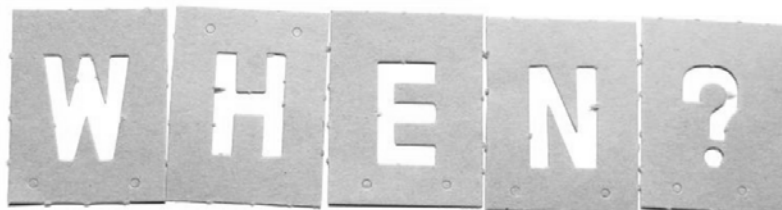


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For release: 07 Feb 2013

NISO Launches New Initiative to Develop Standard for Open Access Metadata and Indicators

Interested participants from all library types, publishers, and funding agencies are encouraged to contact NISO



- Launched 27th April 2012
- Over 50,000 CrossMark deposits
- More than 400 updates
- More than 20 publishers implementing



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High activity enables life on a high-sugar diet: blood glucose regulation in nectar-feeding bats

Detlev H. Kelm^{1,*}, Ralph Simon², Doreen Kuhlow³, Christian C. Voigt¹ and Michael Ristow^{3,4}

+ Author Affiliations

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Abstract

High blood glucose levels caused by excessive sugar consumption are detrimental to mammalian health and life expectancy. Despite consuming vast quantities of sugar-rich floral nectar, nectar-feeding bats are long-lived, provoking the question of how they regulate blood glucose. We investigated blood glucose levels in nectar-feeding bats (*Glossophaga soricina*) in experiments in which we varied the amount of dietary sugar or flight time. Blood glucose levels increased with the quantity of glucose ingested and exceeded 25 mmol l⁻¹ blood in resting bats, which is among the highest values ever recorded in mammals fed sugar quantities similar to their natural diet. During normal

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Published online before print April 13, 2011, doi: 10.1098/rspb.2011.0465
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Phys. Plasmas **19**, 113301 (2012); <http://dx.doi.org/10.1063/1.4765693> (6 pages)

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Orientation phenomena for the $1s \rightarrow 2p_{\pm 1}$ atomic collisional excitations in quantum plasmas: Shielding and plasmon coupling

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Department of Applied Physics, Hanyang University, Ansan, Kyunggi-Do 426-791, South Korea and Department of Electrical and Computer Engineering, MC 0407, University of California, San Diego, 9500 Gilman Drive, La Jolla, California 92093-0407, USA

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(Received 20 September 2012; accepted 19 October 2012; published online 1 November 2012)

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The influence of the plasmon coupling on the orientation phenomena for the $1s \rightarrow 2p_{\pm 1}$ atomic collisional transitions is investigated in quantum plasmas. The effective Hamiltonian model taking into account the quantum and plasma shielding effects is applied to describe the electron-hydrogenic ion interaction in quantum plasmas. The semiclassical method is employed to describe the states of the projectile electron and target system in order to

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Journal of Organizational Behavior

Research Article

Impact of authentic leadership on performance: Role of followers' positive psychological capital and relational processes

Hui Wang¹, Yang Sui², Fred Luthans³,
Danni Wang^{4,*}, Yanhong Wu⁵

Article first published online: 14 DEC 2012

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CASE REPORT

Presentation of an umbilical cord cyst with a surprising jet: a case report of a patent urachus [v1; ref status: awaiting peer review, <http://f1000r.es/xx>]

John Svigos^{1,2}, Sanjeev Khurana^{1,3}, Christopher Munt², Sanjay Sinhal^{2,3}, Julie Bernardo³

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Structural features and kinetic characterization of alanine racemase from *Staphylococcus aureus* (Mu50)

Emma R. Scaletti,^a Sylvia R. Luckner^a and Kurt L. Krause^{a*}

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Correspondence e-mail: kurt.krause@otago.ac.nz

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Staphylococcus aureus is an opportunistic Gram-positive bacterium which causes a wide variety of diseases ranging from minor skin infections to potentially fatal conditions such as pneumonia, meningitis and septicaemia. The pathogen is a leading cause of nosocomial acquired infections, a problem that is exacerbated by the existence of methicillin- and glycopeptide antibiotic-resistant strains which can be challenging to treat. Alanine racemase (Alr) is a pyridoxal-5'-phosphate-dependent enzyme which catalyzes reversible racemization between enantiomers of alanine. As D-alanine is an essential component of the bacterial cell-wall peptidoglycan, inhibition of Alr is lethal to prokaryotes. Additionally, while ubiquitous amongst bacteria, this enzyme is absent in humans and most eukaryotes, making it an excellent antibiotic drug target. The crystal structure of *S. aureus* alanine racemase (Alr_{Sas}), the sequence of which corresponds to that from the highly antibiotic-resistant Mu50 strain, has been solved to 2.15 Å resolution. Comparison of the Alr_{Sas} structure with those of various alanine racemases demonstrates a conserved overall fold, with the enzyme sharing most similarity to those from other Gram-positive bacteria. Structural examination indicates that the active-site binding pocket, dimer interface and active-site entryway of the enzyme are potential targets for structure-aided inhibitor design. Kinetic constants were calculated in this study and are reported here. The potential for a disulfide bond in this structure is noted. This structural and biochemical information provides a template for future structure-based drug-development efforts targeting Alr_{Sas}.

Keywords: alanine racemase; *Staphylococcus aureus*.



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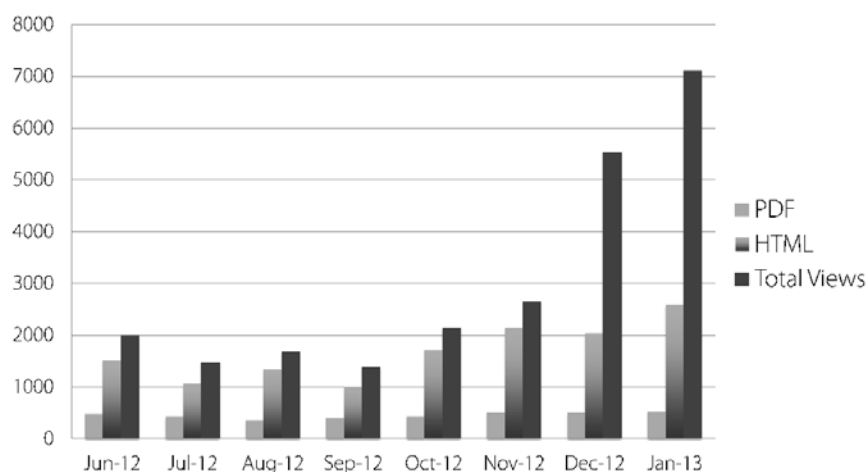


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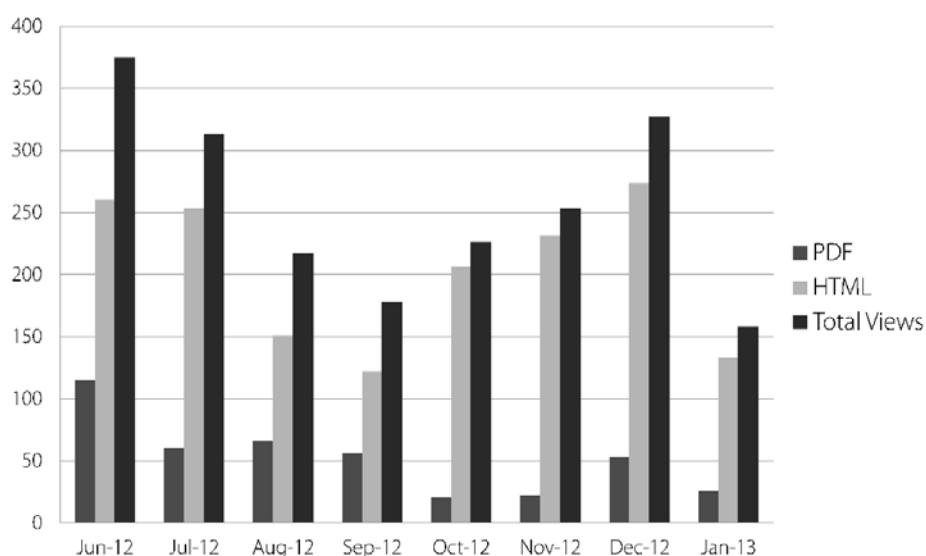
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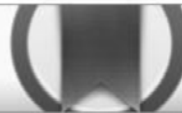
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Engineering Structures
Volume 46, January 2013, Pages 173–183

Analytical fatigue prediction model of RC beams strengthened in flexure using prestressed FRP reinforcement

JOURNAL OF LEGAL ANALYSIS
ABOUT THIS JOURNAL CONTACT THIS JOURNAL CURRENT ISSUE ARCHIVE SEARCH

Oxford Journals > Law > Journal of Legal Analysis > Volume 5, Issue 2 > Pp. 379–409.

THE AMERICAN JOURNAL OF JURISPRUDENCE
New to Oxford Journals in 2013

Legal Origin or Colonial History?
Daniel M. Kleinman, Paul G. Mahoney, Helger Sparmann and Marc L. Weinstein¹
J. Kleinman is Charles L. Hillard Professor of Law and History, JSTOR Law School, Fordham University, New York; Mahoney is Dean, University of Virginia Law School; Sparmann is Assistant Professor of Law, Harvard Law School; Weinstein is Associate Professor, USC Marshall School of Business and USC Gould School of Law. E-mail: m.l.weinstein@marshall.usc.edu

Abstract
Economists have documented pervasive correlations between legal origins, modern regulation, and economic outcomes around the world. Where legal

Structural features and kinetic characterization of alanine racemase from *Staphylococcus aureus* (Mu50)
Emma B. Siskind¹, Sophia B. Iversen² and Karl L. Kneass²
¹Department of Biochemistry, University of Otago, Dunedin, New Zealand
Correspondence: email: k.l.kneass@otago.ac.nz

Abstract
Staphylococcus aureus is an opportunistic Gram-positive bacterium which causes a wide variety of disease ranging from minor skin infections to potentially fatal conditions such as pneumonia, meningitis and septicaemia. The pathogen is a leading cause of nosocomial acquired infections, a problem that is exacerbated by the existence of methicillin- and glycopeptide-resistant strains which can be challenging to treat. Alanine racemase (Alr) is a generally ubiquitous enzyme which catalyses reversible interconversion between enantiomers of alanine. As it is an essential component of the bacterial cell wall peptidoglycan, inhibition of Alr is lethal to pathogens. Additionally, while ubiquitous amongst bacteria, this enzyme is absent in humans and non-mammals, making it an excellent anti-bio-drug target. The crystal structure of a *S. aureus* Alr (Mu50), the sequence of which corresponds to that from the 1970s and the constant Mu50 strain, has been solved to 2.25 Å resolution. Comparison of the Alr_{Mu50} structure with those of various other bacterial structures, a conserved motif identified, with the enzyme sharing near identity to those from other Gram-positive bacteria. Structural examination indicates that the active site binding pocket, donor methionine and catalytic triad of the enzyme are conserved across the species and subfamily design. Kinetic constants were calculated in this study and are reported here. The present Alr is a structural model in the structure to which this structure and biochemical information provides a template for future structural bio-drug development efforts targeting Alr_{Mu50}.

Keywords: alanine racemase; Staphylococcus aureus.

<http://www.crossref.org/crossmark>

crossref

FundRef

- Question: How many published articles resulted from agency funding this year?
- Answer: Nobody Knows!

crossref



FundRef

- Question: How many published articles resulted from DOE funding this year?
- Question: How many articles in this journal were funded by the Wellcome Trust?
- Answer: Nobody Knows!



The FundRef Workflow

```
graph TD
    subgraph Governance
        A[Funder Registry*]
    end
    subgraph CrossRef
        B[FundRef API]
    end
    subgraph Publisher_System [Publisher System]
        C[Manuscript Tracking System]
        D[Publisher Production Systems]
    end
    subgraph Funder_Institutions [Funders Institutions Researchers Publishers]
        E[ ]
    end

    A -- 1 --> C
    C -- 2 --> D
    D -- 3 --> B
    B -- 4 --> A
    B -- 5 --> E
    D -- 6 --> F[Production Registry and FundRef data will be openly available under CC0 waiver.]
    F --> G[Sample PDF]
```

- FundRef Registry provides standard funder names to publisher manuscript tracking systems.
- Publishers ask authors to select correct funders and provide grant numbers upon manuscript submission.
- Funder information transferred to publisher production systems.
- Publishers send collected funder information in their CrossRef deposits.
- Funders and other stakeholders query FundRef API:
A: Given funder & grant number, return DOIs of publications funded
B: Given DOI, return funder identifiers and grant numbers associated with DOI
- Funding information displayed on publisher PDFs and websites using standard CrossMark UI.

Governance to be determined

Funder Registry*

CrossRef

FundRef API

Publisher System

Manuscript Tracking System

Select...
Grant Number:

Publisher Production Systems

Funders Institutions Researchers Publishers

Production Registry and FundRef data will be openly available under CC0 waiver.

Toward a Unified Theory of High-Energy Astrophysics: Fifty Years Theory
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Department of Astrophysics, Brown University
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Abstract

High-energy astrophysics is a field of research that has seen rapid growth in the past few decades. This paper reviews the current state of the field and discusses the challenges that lie ahead. We focus on the theoretical aspects of the field, particularly the role of quantum gravity and string theory. We discuss the recent progress in understanding the black hole information paradox and the implications for the future of the field. We conclude with a discussion of the role of the production registry and fundref data in the future of high-energy astrophysics.

Keywords

High-energy astrophysics, Quantum gravity, String theory, Black hole information paradox, Production registry, Fundref data

1. Introduction

High-energy astrophysics is a field of research that has seen rapid growth in the past few decades. This paper reviews the current state of the field and discusses the challenges that lie ahead. We focus on the theoretical aspects of the field, particularly the role of quantum gravity and string theory. We discuss the recent progress in understanding the black hole information paradox and the implications for the future of the field. We conclude with a discussion of the role of the production registry and fundref data in the future of high-energy astrophysics.

2. Quantum gravity and string theory

Quantum gravity is the study of the quantum properties of gravity. It is one of the most important unsolved problems in physics. String theory is a candidate for a theory of quantum gravity. It is a theory in which the fundamental constituents of matter are one-dimensional objects called strings. The strings can vibrate in different ways, and these vibrations correspond to different particles. String theory has many interesting properties, and it has been shown that it can reproduce the results of general relativity in the classical limit. It is therefore a promising candidate for a theory of quantum gravity.

3. The black hole information paradox

The black hole information paradox is a problem that arises from the combination of quantum mechanics and general relativity. It is a problem that has been discussed for many years, and it remains one of the most important unsolved problems in physics. The paradox is that, according to general relativity, information that falls into a black hole is lost forever. However, according to quantum mechanics, information is never lost. This is a contradiction, and it is the black hole information paradox. There are many proposed solutions to the paradox, but none have been widely accepted. It is therefore one of the most important unsolved problems in physics.

4. The production registry and fundref data

The production registry and fundref data are two important tools for the management of research data. The production registry is a system that allows researchers to register their data and to share it with others. Fundref data is a system that allows researchers to track the funding of their research. Both of these tools are essential for the management of research data, and they are therefore of great importance to the research community.

5. Conclusion

In this paper, we have reviewed the current state of high-energy astrophysics and discussed the challenges that lie ahead. We have focused on the theoretical aspects of the field, particularly the role of quantum gravity and string theory. We have discussed the recent progress in understanding the black hole information paradox and the implications for the future of the field. We have concluded with a discussion of the role of the production registry and fundref data in the future of high-energy astrophysics.

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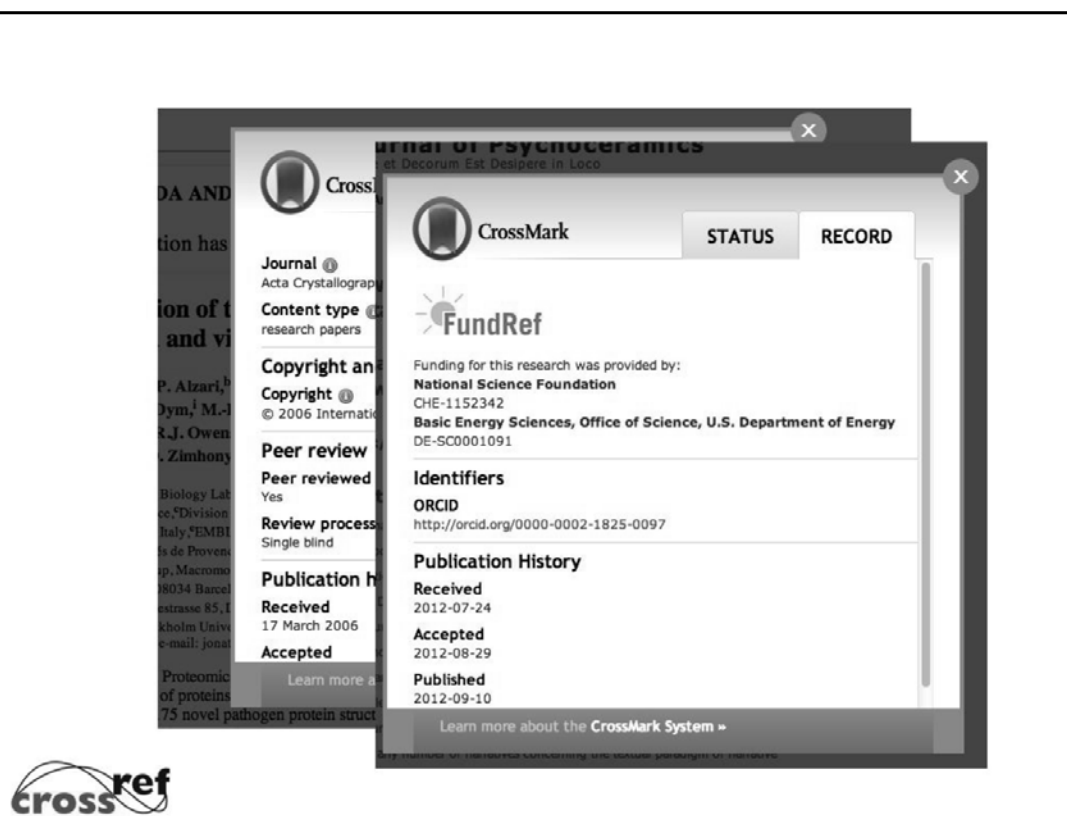
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Basic Steps

1. Deposit funding information

(Preferably as part of CrossMark)

2. Query for articles based on funding



The funding information

Three parts to the information

1) Funder's name

2) A funder identifier (optional)

3) The funding identifier (an alpha/numeric string)



The funder's name & identifier

The listing of names for the pilot is being provided by Elsevier

<http://labs.crossref.org/fundref/funders.html>

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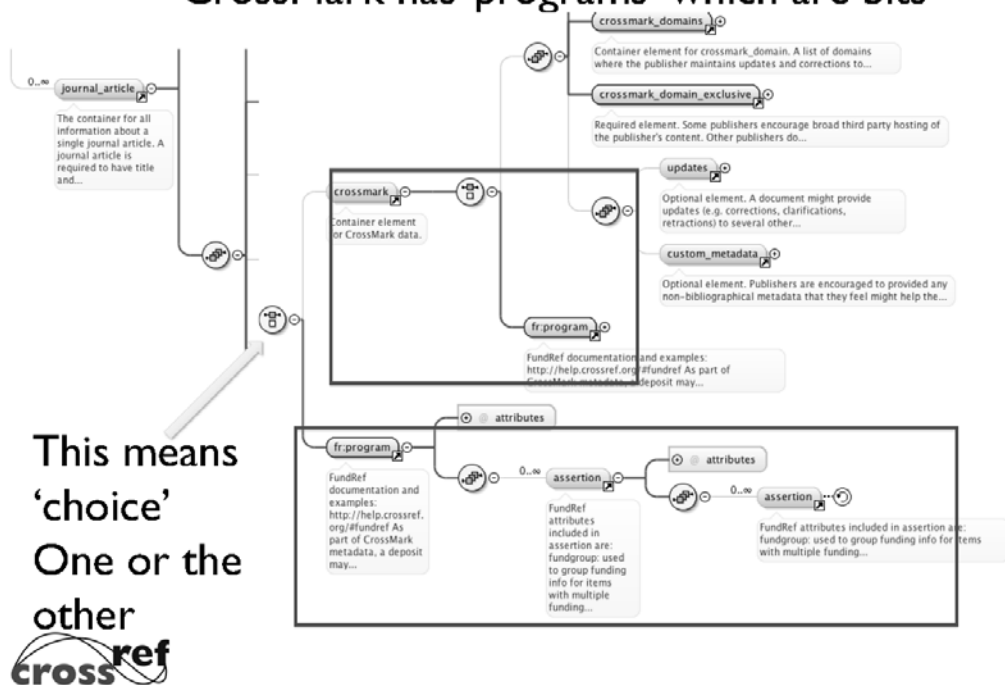


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The CrossRef deposit schema

CrossMark has 'programs' which are bits



An example XML deposit

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  <pages> [2 lines]
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    </assertion>
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An example XML deposit

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An example XML deposit

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Query Format for FundRef articles

`http://doi.crossref.org/search/fundref?pid=<email
>&
funder-name=<NAME>&
funder-identifier=<ID>&
funding-identifier=<ID>&
operator=<and|or>`

Example:

`http://doi.crossref.org/search/fundref?pid=ckoscher
@crossref.org&
funder-name=U.S. Department of Energy`



Query for FundRef articles

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3.0" >
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    <body>
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</crossref>
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Query returns 39 articles



We still have work to do...

Need to allow the deposit of grant number to be optional.



Depositing:

<http://help.crossref.org/#fundref>

Querying:

<http://help.crossref.org/#fundref-api>

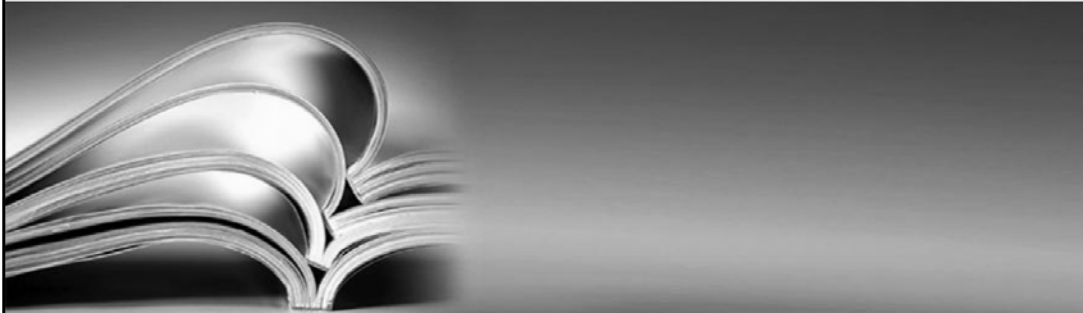


Example of FundRef integration with Manuscript Submission Systems

- eJournal Press
- Editorial Manager



eJournalPress / FundRef



Submission Form Question

Funding Body Archiving Mandates Please Enter Funding Body Archiving Mandates

Funder(s) *	Grant Reference Number *	Principal Investigator First Name *	Last Name *	Email Address *	
					Clear
					Clear
					Clear
					Clear
					Clear
					Clear
					Clear

Auto-Completion

- Typing in 3 or more characters display an auto-complete line

Funding Body Archiving Mandates Please Enter Funding Body Archiving Mandates

Funder(s) *	Grant Reference Number *	Principal Investigator First Name *	Last Name *	Email Address *	
carcel					Clear
Wipe Out Kids' Cancer (WOKC)					Clear
The Sharon Roberts Cancer Foundation					Clear
Prostate Cancer Foundation (PCF)					Clear
Child Cancer Foundation					Clear
Breast Cancer Help, Inc.					Clear
Breast Cancer Research Foundation (BCRF)					Clear
Lung Cancer Online Foundation (LCOF)					Clear
Breast Cancer Campaign					Clear
Celma Masfry Ovarian Cancer Foundation (UMOU-)					Clear
Kidney Cancer Association (KCA)					Clear
North West Cancer Research Fund (NWCRF)					Clear
Institute for Myeloma & Bone Cancer Research (IMBCR)					Clear
Cancer Council Queensland					Clear
Brian Piccolo Cancer Research Fund					Clear
Australian Cancer Research Foundation (ACRF)					Clear
Breast Cancer Research Trust (BCRT)					Clear
Prostate Cancer Charity					Clear
CURE Childhood Cancer (CURE)					Clear
Slon Cancer Foundation					Clear
International Association for the Study of Lung Cancer					Clear

Manuscript Comment

Back Save and Exit Next

Hierarchical Data / Parent Organizations

- Parent Organization's "Short Name" pre-pended
- Can be search string

Funding Body Archiving Mandates Please Enter Funding Body Archiving Mandates

Funder(s) *	Grant Reference Number *	Principal Investigator First Name *	Last Name *	Email Address *	
nsf					Clear
NSF BIO Division of Molecular and Cellular Biosciences (MCB)					Clear
NSF BIO Division of Integrative Organismal Systems (IOS)					Clear
NSF SBE Division of Behavioral and Cognitive Sciences (BCS)					Clear
National Stroke Foundation (NSF)					Clear
NSF ENG Division of Chemical, Bioengineering, Environmental, and Transport Systems (CBET)					Clear
NSF Directorate for Social, Behavioral and Economic Sciences (SBE)					Clear
NSF BFA Division of Grants and Agreements (DGA)					Clear
NSF Directorate for Education and Human Resources (EHR)					Clear
NSF National Science Board (NSB)	OW.				
NSF SBE SBE Office of Multidisciplinary Activities (SMA)					
NSF Office of Integrative Activities (OIA)					
NSF BFA Division of Acquisition and Cooperative Support (DACS)					
NSF Directorate for Mathematical and Physical Sciences (MPS)					

Manuscript Comment

Back Save and Exit Next

Configuration Screens

- Staff FundRef configuration screen
 - Allows for download of latest FundRef XML file on demand.
 - Local database updated to reflect FundRef XML file changes.

Please click on the button below to load the latest FundRef funding sources.

Update FundRef Data Cancel

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Retrieving FundRef data from http://data.elsevier.com/vocabulary/bulk/SciValFunders
Retrieved [c:\temp\rdf.zip] from [http://data.elsevier.com/vocabulary/bulk/SciValFunders].
Unzipped [c:\temp\rdf.zip].
Found zip member named [allFundRef.rdf] in [c:\temp\rdf.zip].
Created [c:\temp\all_fund_ref.rdf] from c:\temp\rdf.zip [allFundRef.rdf].
Parsing RDF/XML data file.
Found 4572 funding sources.
Loading funding sources from database.
Loaded 1901 funding sources from database.
Found 2671 funding sources to add to the database.
Found 0 funding sources to deactivate in the database.
Added 0 funding sources to the database.
Added 100 funding sources to the database.
Added 200 funding sources to the database.
Added 300 funding sources to the database.
Added 400 funding sources to the database.
Added 500 funding sources to the database.
Added 600 funding sources to the database.
Added 700 funding sources to the database.
Added 800 funding sources to the database.
Added 900 funding sources to the database.
Added 1000 funding sources to the database.
```

FundRef Integration Prototype

13 November 2012

Lyndon Holmes



FundRef Integration with Editorial Manager

Prototype Implementation

- Demonstrate simplicity of workflow integration
- Assure high-fidelity capture of funding agency identity
- Provide for multiple funders per manuscript
- Demonstrate use of interactive identity presentation to users
- Show downstream utilization of captured data



Configurable Step in Manuscript Submission

The screenshot displays a sidebar on the left with a list of submission steps: 'Select Article Type', 'Enter Title', 'Add/Edit/Remove Authors', 'Enter Keywords', 'Select Classifications', 'Funding Information' (highlighted with a blue bar and an arrow), 'Enter Comments', and 'Attach Files'. The main content area is titled 'Funding Information' and contains the following text: 'Please enter the funding institution and grant number. To add additional funding information, enter the new information into the blank boxes and click the 'Add Funding information' button.' Below this text are two input fields: 'Funding Institution:' and 'Grant Number:'. An 'Add Funding Information' button is positioned below the 'Grant Number' field. At the bottom of the form are 'Previous' and 'Next' buttons. An arrow points from the text 'Customizable Instructions' to the instruction text in the main content area.



Autocomplete Interactive Data Entry

This screenshot shows the 'Funding Information' step with an autocomplete feature. The 'Funding Institution:' input field contains the text 'well'. A dropdown menu is open, displaying a list of funding institutions that start with 'well'. The list includes: 'Burroughs Wellcome Fund', 'California Wellness Foundation', 'Diabetes Research & Wellness Foundation', 'Foundation for Women's Wellness', 'Hogg Foundation for Mental Health, Advancing Recovery and Wellness in Texas', 'Honeywell Hometown Solutions', 'Jonathan Powell Hope Foundation, Inc.', 'MacDowell Colony', 'Pottstown Area Health and Wellness Foundation', and 'ROSWELL PARK CANCER INSTITUTE'. An arrow points from the text 'Starts with' to the dropdown list. Another arrow points from the text 'as well as embedded matching' to the 'Funding Institution:' input field. The 'Grant Number:' field is empty.



Candidate list updates as each letter is typed

Autocomplete Interactive Data Entry

Funding Information

Please enter the funding institution and grant number. To add additional funding information, enter the new information into the blank boxes and click the 'Add Funding information' button.

Funding Institution: wellcome

Grant Number: Burroughs Wellcome Fund
Wellcome Trust

Add Funding Information

Previous Next

Candidate list narrows as more characters are typed



Grant Identity and Multiple Funders

Funding Information

Please enter the funding institution and grant number. To add additional funding information, enter the new information into the blank boxes and click the 'Add Funding information' button.

Funding Institution: roswell

Grant Number: ROSWELL PARK CANCER INSTITUTE

Add Funding Information

Funding Institution	Grant Number	Actions
Burroughs Wellcome Fund	CH472.2012.301	Remove
Howard Hughes Medical Institute	2013.76H	Remove

Previous Next



Downstream Access to Captured Funding Data

Details for Manuscript Number: Unassigned
"Test manuscript for FundRef demo"

Cancel Save and Close

Manuscript Notes Editors Reviewers Alternate Reviewers Additional Information	
Full Title:	Test manuscript for FundRef demo
Final Decision Term:	
Funding Information:	Institution: Academy of Medical Sciences Grant Number: 1245-1263-1287 Institution: Rocky Mountain NASA Space Grant Consortium Grant Number: 2012-00134-AB

Cancel Save and Close

Grant information transmitted onwards to publisher production systems, according to agreed XML schemae



FundRef Next Steps

- Approved by CrossRef Board March 2012
- Terms & Conditions in Development
- Production Roll-out May 2013



In Summary

- CrossRef provides infrastructure to enable publishers to enhance their content and services
- CrossRef services drive traffic to publishers content



- CrossRef services will enable publishers to highlight the value they add to content
- CrossRef services will give researchers useful tools to make decisions about content



- If it's not online it doesn't exist
- If it's not linked it doesn't exist
- PDF warehouses are complete - the next stage is semantically enhanced content
- Publishers are moving from production houses to informatics houses



What's in it for publishers?

- No publisher is an island - collaboration and connection is the key



Inter-connected network



Find out more...

- CrossRef
<http://www.crossref.org>
- CrossMark
<http://www.crossref.org/crossmark>
- FundRef
<http://www.crossref.org/fundref>
- Twitter: [@CrossRefNews](https://twitter.com/CrossRefNews)





Thank You!



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