## **CELEBRATING**

YEARS OF COLLABORATION 1999–2009





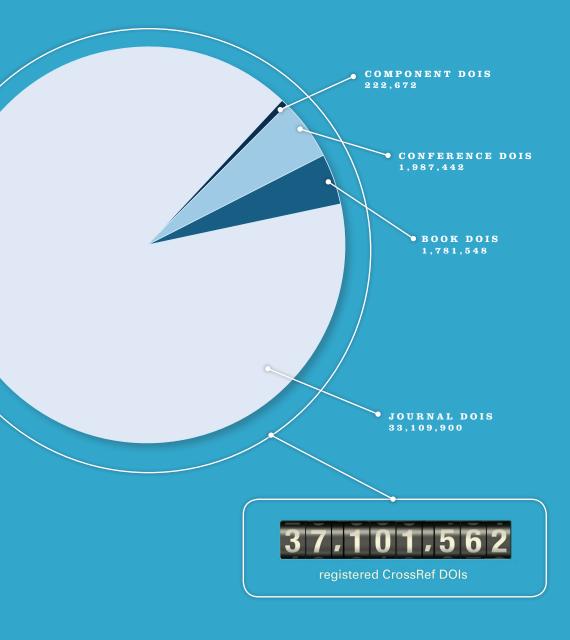
### OUR MISSION

CrossRefis a not-for-profit membership association whose mission is to enable easy identification and use of trustworthy electronic content by promoting the cooperative development and application of a sustainable infrastructure.

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# CrossRef Dashboard



Since its inception ten years ago, CrossRef has grown to be an indispensable part of scholarly publishing.

LETTER FROM THE EXECUTIVE DIRECTOR.

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# As the CrossRef service of Publishers International Linking Association (PILA) approaches its 10th anniversary, it is instructive to look at how far the organization has come since its launch. Incorporated in January 2000 with 15 member publishers, approximately three million journal articles registered in the system, and the financial uncertainty of a small startup venture, CrossRef today includes more than 2,800 participating publishers and societies, with more than 37 million content items registered, including not only journal articles but book chapters, technical reports, working papers, theses, and dissertations, as well as images, tables, and graphs. In an average month, the number of CrossRef DOI resolutions—instances of scholars and researchers clicking on links—now exceeds 25 million. As a well established and financially secure organization, CrossRef has begun to extend beyond its core linking service to new services that allow publishers to add value to their content in a number of ways.

One such service is CrossCheck, which helps publishers evaluate the originality of content submitted for publication. Launched in June 2008, CrossCheck now includes more than 60 participating publishers, with more than 20 million content items deposited in a database against which submissions can be screened for duplication. The ALPSP has recognized the value of CrossCheck with its 2008 Award for Publishing Innovation, citing the collaboration between CrossRef and technology provider iParadigms as an important enhancement of the trust underlying successful scholarly publishing and the role publishers can play in promoting that trust.

With the online proliferation of multiple versions of published items, it has become more difficult for researchers to recognize a publisher-maintained version of the article. The CrossMark service will enable publishers to identify such versions by a distinct logo with associated metadata, allowing them to indicate and incorporate any corrections, a critical part of the publisher's function in maintaining the scholarly record. A CrossMark pilot has been launched and will run through the end of the year.

Through CrossRef Metadata Services (CMS), CrossRef is now drawing on its collaborative structure to help promote content discovery and usage evaluation. Licensed CMS partners are given access to cross-publisher metadata for the purposes of reusing the bibliographic metadata (including CrossRef DOIs) in their services, which now may include developing citation metrics. CrossRef Members retain the right to opt out at their discretion. As in the core linking service, this arrangement eliminates the need for bilateral agreements, in this case between publishers and CMS partners.

In parallel with the development of new initiatives, CrossRef has been preparing for a system rewrite, a major investment that will enhance the operation of the core CrossRef services. The project will proceed in a modular fashion, with a rebuild of the query system recently begun as the first stage. The rewrite is being led by CrossRef's Director of Technology, Chuck Koscher, in close collaboration with established technology partner Atypon Systems, Inc., an arrangement that will yield CrossRef intellectual property rights to the system as well as in-depth knowledge of its design.

As an organization successfully completing its first decade of operation, CrossRef is taking steps to ensure its long-term persistence, and has begun to draft an organizational will that should be finalized early in 2010. It is a multifaceted process. Our alternative data center in Denver, Colorado, provides us with comprehensive backup, and our

proprietary involvement in the new software system will augment our ability to support CrossRef's infrastructure. To safeguard the preservation of the scholarly citation record fully, however, requires that we prepare on fiscal and policy levels as well. To address financial contingency, the Board of Directors has established a cash reserve fund. CrossRef's participation in the IDF as a registration agency provides redundancy for the maintenance of the DOI System should CrossRef cease to exist, and we are investigating other potential alliances that may be similarly beneficial. For journals housed in archives such as Portico and CLOCKSS, CrossRef has established a mechanism whereby linking to them is activated when their publishers cease to host them for any reason, and in a related effort, we plan to amend the membership agreement with language providing for DOI maintenance in the event that a publisher leaves CrossRef or ceases to operate.

DOI RESOLUTIONS.

DOI RESOLUTIONS ARE A MEASURE OF THE NUMBER

OF TIMES END-USERS HAVE CLICKED ON CROSSREF LINKS.

Since its inception, CrossRef has grown to be an indispensable part of scholarly publishing, an achievement recognized by the Council of Science Editors (CSE), which conferred its Meritorious Achievement Award on CrossRef at CSE's annual meeting in May. The award cites CrossRef's success in tapping collaboration to serve communication in the scholarly community. We are proud to have received this acknowledgement with CrossRef's 10th anniversary on the horizon; it speaks to the value of the CrossRef mission as we look to a future of helping publishers collaborate to advance scholarly literature in a growing variety of ways.

Executive Director/Secretary

CrossRef Statistics 2002 57 1,514 YTD (08/09) LIBRARY MEMBERSHIP. LIBRARY MEMBERSHIP CONTINUES TO GROW. FOR A COMPLETE LIST OF LIBRARY AFFILIATES. SEE WWW.CROSSREF.ORG. 20.576 YTD (08/09) JOURNALS IN THE CROSSREF SYSTEM. THE NUMBER OF JOURNALS, BOOKS AND OTHER CONTENT TYPES COVERED BY CROSSREF CONTINUES TO GROW. 2002 19,617,963 44,098,763 111,206,680 150,609,734 178,006,747 167,521,459 YTD (08/09) **CROSSREF** 

MEMBERSHIP.

MEMBERS IN 2008.

CROSSREF GAINED 138

# PUBLISHERS INTERNATIONAL LINKING ASSOCIATION, INC.

UBLISHER			\	
STATEMENTS OF ACTIVITIES YEARS ENDED DECEMBER 31, 2008	2008	2007		
REVENUE AND OTHER SUPPORT:  Deposit fees	2,230,002 1,381,751	\$2,319,04 1,122,3	N .	
Member fees	44,124	7,9	666	
Non-linking fees	26,526	44	,856	
Interest income			3,000	(CD)
	_		,069)	
Search fees  Loss on sale of equipment	(112,315)	(	8,671)	
Loss on foreign exchange	A20	2.1	87,169	
TOTAL REVENUE AND OTHER SUPPORT	3,570,088			CG 5
TOTAL REVENUE AND	22	_ 1	,505,207	
EXPENSES:	1,662,22	.5	389,106	Onservation
Salaries and benefits	375,99		294,578	alent to:
Data center	300,1		188,088	lbs
IDF fees	225,		262,237	'aste erate
Professional fees		,049	84,426	gallone
Travel and meetings		,604	201,796	fle .
, other	139	0,397	75,247	C
Office and other  Depreciation and amortization	8	30,713	84,370	SCIE
Depreciation and marketing		70,702	124,841	
Advertising and marketing		55,139	10,955	
Rent		42,261		100g
Contractor fees		_	23,006	
New initiatives		15,656	10,205	
act			18,70	
Interest  Dues and subscriptions		21,941	3,272,76	59
Dues and sub-		3,325,399	214,4	
Insurance		244,689	1,740,	
TOTAL EXPENSES	5	1,954,560		560
Change in unrestricted net assets  Unrestricted net assets, beginning	ng of year	2,199,24	9 \$1,934	
tricted net assets, beginning	ear	2,195,2		
Unrestricted net assets, end of )				(5)
Unrestricted Hes				

### LETTER FROM THE TREASURER.



Once again, CrossRef completed the year in a stronger financial position than the previous year. Revenue of \$3,570,088 for 2008 was up 2.4 percent over prior year, with expenses of \$3,325,399 up by 1.6 percent, and unrestricted net assets of \$2,199,249 were 12.5 percent higher than for 2007. These results reflect CrossRef's success in managing its operations and in developing and pricing its products and services in a way that supports the organization's fiscal health while maintaining affordability for all levels of the CrossRef membership.

Backfile deposits have, as expected, continued to decline gradually from their peak level in 2006. The Board of Directors approved a backfile deposit fee of 15 cents per record for 2009, a small increase from the discounted 2008 level of 12 cents but still lower than the previous 17 cents, in keeping with the goal that CrossRef's services should generate sufficient revenue to cover their expenses. The CrossCheck service, which launched in June 2008, has also been priced for cost recovery, to ensure that it does not incur expense for non-participating members by requiring additional support from other revenue-producing programs.

In late 2008, CrossRef began formal preparation for the long-anticipated system rewrite that is currently underway. CrossRef has arrived at an agreement in

principle with technology partner Atypon Systems, Inc., that leverages CrossRef's staff resources and our relationship with Atypon to minimize the cost of a major undertaking while bringing us intellectual property rights to the new system. This arrangement is in keeping with the prudent management of assets and resources that the Board of Directors and the CrossRef committees seek.

As in previous years, CrossRef's 2008 audit proceeded smoothly, again reflecting the sound guidance of the Board of Directors and the Audit Committee.

CrossRef approaches its 10th anniversary as a financially strong organization providing a range of products and services that are well aligned with a carefully formulated mission. In mid-2009, we continue to see very strong performance despite the economic downturn. Our 2008 performance and ongoing success in 2009 demonstrate to me that CrossRef has become a critical component in the publishing of scholarly and scientific content. This achievement springs from the active support and participation of the Board of Directors and the CrossRef committees, with the collaboration of the entire CrossRef membership. I would like to thank all of them for all that they do.



# CrossRef depends on the active participation of its membership.

### TECHNICAL OUTLOOK.

The anticipated rewrite of CrossRef's software system is now in the final planning stages, with the deployment of a new query system anticipated late in the first quarter of 2010. The project began in September 2008 when a group of CrossRef members joined to develop a set of requirements for the new system, working with consultant Simon Inger. In November, the group presented the Board of Directors with five detailed options that included cost estimates generated through a model provided by the consultant. The consensus was that the estimates were higher than seemed advisable, particularly in the current economic climate.

In late December, Director of Technology Chuck Koscher proposed that the project be divided into two phases, with the first addressing the query system and the second the deposit system. This approach will distribute both the cost and the demand on staff resources over time. The entire project will be a co-development effort with technology partner Atypon Systems, Inc., and will yield CrossRef full intellectual property rights to the new system while delivering complete transparency for the CrossRef membership. CrossRef is currently negotiating a five-year agreement with Atypon to ensure a smooth transition from their proprietary infrastructure, and a new senior software developer is being recruited to help with the rewrite.

The rewrite will enhance the overall performance of the system while rectifying specific issues that have emerged over time. The new query system will be able to process free text queries, which currently require the use of auxiliary tools. The new deposit system will have the ability to distinguish between a member, a publisher, and a title, solving a number of administrative and accounting problems. The design

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of the existing system makes it difficult to track activity for members that have multiple DOI prefixes because of acquisitions, title transfers, imprints, or society brands. The new system will be able to correlate such associations accurately and efficiently, substantially improving billing and record keeping.

With its core linking capability, CrossRef has functioned largely as a private service for member publishers, making it possible to anticipate demand on the system's resources. CrossRef does make its metadata freely available through the OpenURL Query Interface, and end users are increasingly tapping that resource for their own bibliographic purposes. This activity can result in unpredictable usage spikes that place a load on the system. CrossRef is committed to meeting this growing demand, and the new query system will incorporate features to help accommodate it.

As a collaborative venture, CrossRef depends on the active participation of its membership to achieve the optimum performance of its DOI-based linking service. Through the ongoing Metadata Quality initiative, CrossRef continues to seek improvement in deposit submissions, and members are encouraged to follow the guidelines provided for these processes as closely as possible.

CrossRef came into existence to serve publishers and researchers in their navigation of the online environment. The growth of the organization's capabilities has been incremental and gradual, calibrated to membership need. While CrossRef has expanded significantly over its first decade both in volume of activity and the features it offers, its greatest achievement has been its assimilation as an indispensable part of the scholarly endeavor.



Content: 78,000 books are registered in CrossRef. The Book Working Group has released a set of "best practices" guidelines to promote linking, and to enhance the discoverability and usage of books.

### REVIEW OF THE ORGANIZATION

The PILA Board of Directors has defined the following goals and projects as the current focus of the CrossRef organization:

### Goals for 2009

- Ocontinue to deliver value to the industry and fulfill the CrossRef mission while expanding activities.
- O Maintain and develop the core CrossRef system while enabling new services; develop procedures for moving projects from the development and pilot phases to production.

### **Projects for 2009**

- For the CrossCheck service, achieve the full participation of the largest member publishers, with comprehensive indexing of their content.
- O Determine a course of action for the system rewrite and begin implementation by the second quarter of the year.
- O Move forward with a CrossMark pilot.
- Ocontinue to investigate Contributor ID.
- Ocontinue the Metadata Quality initiative through improved quality checks and rejection of low-quality submissions.
- O Increase book deposits and book reference linking.
- O Add new international members and members from developing countries.
- O Promote the CrossRef DOI as a key element of bibliographic data and public identifier for content; work with librarians to raise awareness of the DOI among end users and develop marketing materials that support the effort.
- Ocontinue to review administrative procedures with the goal of streamlining operations.
- O Continue to participate in relevant industry groups and associations such as Transfer, TicTOCS, SSP, STM, ALPSP, NISO, and IDF.







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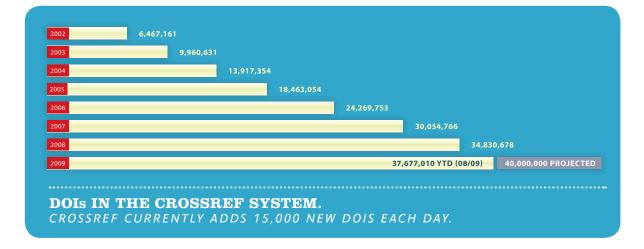
In three major strategic initiatives—CrossCheck, launched in June 2008, and CrossMark and Contributor ID, now in development—CrossRef is providing publishers with the means to ensure the trustworthiness of the content they publish online, and to communicate that trustworthiness to readers. This supports the CrossRef mission and serves a central need of researchers, for whom reliance on flawed content can have serious consequences.

CrossCheck, now operating with the participation of more than 60 publishers, helps to establish the provenance of a submitted work by screening it against a database of scholarly literature to detect any unattributed appropriation. The CrossMark service will enable publishers to identify their maintained versions of works with a logo and associated metadata, and also to include non-bibliographic information relevant to the works' creation as well as such post-publication events as corrections, updates, and retractions. A CrossMark pilot will run during the last quarter of 2009, with implementation anticipated early in 2010.

Contributor ID will provide a critical third verifier of trustworthiness, the ability to know with certainty the identity of individuals involved in a work's creation, whether as author, reviewer, or editor, dispelling any confusion arising from variant name forms, identical names, and name changes. The service will be able to register such contributors as correspondents, bloggers, and commenters as well. For the requirements gathering phase of the project, CrossRef has engaged in discussions with publishers, librarians, researchers, and funding agencies, eliciting needs that range from the scholarly to the administrative. With the complexities of these needs still under examination, a firm timetable for the initiative has not yet been established, but a project plan will be submitted to the Board of Directors for consideration in 2010.

For the publisher, these three initiatives are brand-building tools that advance the value they add as stewards of the scholarly record. For the researcher, they provide an indicator of reliability and a valuable filter that promotes the efficiency of their work. It has been documented that researchers today read more articles than ever before, but spend less time on each article, an unsustainable trend that is accelerating with the proliferation of online content. CrossMark will help safeguard the integrity of scholarly publications by providing researchers with a tool to evaluate trustworthiness.

Established as a business-to-business service to enable linking among its member publishers,



CrossRef is now serving individual researchers and other organizations in a variety of ways. Researchers are increasingly interested in incorporating persistent linking into their writings, and style guides such as that of the APA now recommend use of the DOI for that purpose. CrossRef is building tools to encourage researchers' use of DOIs (including Firefox and OpenSearch plug-ins), and is also collaborating with social citation tools such as Connotea, CiteULike, Zotero, Mendeley, and Papers so they can retrieve CrossRef metadata that can then be collected by researchers for insertion into their publications in bibliographic format. Publishers also benefit when submitted manuscripts incorporate linking and correctly formatted metadata, simplifying their production processes.

As a member of the ticTOCs
Consortium, CrossRef has helped launch
the ticTOCs Journal Table of Contents (TOC)
service, which aggregates publishers' TOC RSS
feeds for researchers. CrossRef is developing a set
of "best practices" guidelines for the structure of
these feeds, which, while generally consistent for a
given publisher, have not been uniform across the
industry. This will also benefit other automated
services that compile RSS feeds for targeted
audiences. Additionally, CrossRef will create an
interface allowing publishers to enter the locations

of their RSS feeds, to facilitate their harvest by ticTOCs and other services, and will also provide a tool that enables the retrieval of such feeds on a bypublisher basis.

One challenge that CrossRef faces is that as its services diversify, the CrossRef brand needs to be managed to extend beyond its strong identity with DOI-based citation linking. With the creation of new DOI registration agencies, different uses for the DOI are emerging, some commercial in nature. CrossRef's message should focus on its mission and the services that support it, with less emphasis on the DOI as an enabling element.

In parallel with its widening implementation, the DOI System is now in the final stages of becoming an ISO standard, with CrossRef a member of the IDF's ISO Working Group.

The amount of non-journal content represented in the CrossRef system continues to grow. Approximately 78,000 books are now registered, and the CrossRef Book Working Group has released a set of "best practices" guidelines to promote linking among books and other types of content, and to generally enhance the discoverability and usage of books.



With Executive Director Ed Pentz serving as Chair, the UKSG (UK Serials Group) Project TRANSFER Working Group released the TRANSFER Code of Practice 2.0 in September 2008, providing

guidelines for the transfer of journals between publishers with minimum disruption to online access. More than 20 publishers formally endorsed the Code in March 2009.

The PILA Board of Directors comprises 16 representatives, listed further on in this report and at www.crossref.org. Four Board members were re-elected, and two newly elected, at the 2008 Annual Member Meeting in Boston, Massachusetts, on November 18. Re-elected were Tim Ingoldsby, AIP; Linda Beebe, APA; Anthony Durniak, IEEE; and Rebecca Simon, University of California Press. Newly elected were Paul Reekie, CSIRO, and Patricia Shaffer, Informs. PILA continues to seek balanced representation of the CrossRef membership in the Board, as highlighted by the recent addition of Hindawi Publishing Corporation, a publisher of Open Access journals based in Cairo, Egypt, replacing University of Chicago Press.

In spite of challenging economic conditions, there is continued growth in the CrossRef membership, notably in the End-User Lookup Affiliates category, which includes new types of organizations that draw on CrossRef's authoritative metadata to provide bibliographic tools for researchers, as described earlier in this section. A full listing of CrossRef Affiliates appears further on in this report, and also at www.crossref.org.

The 2008 Annual Member Meeting was the most successful to date, on the theme "Towards the Future of Scientific Communication." With 2009 marking the 10th anniversary of CrossRef's formation, a 10th Anniversary Celebration Dinner will be hosted the evening of Monday, November 9th, at the Museum of Science in Boston, Massachusetts. The Annual Member Meeting will be held the following day, with Onora O'Neill, Baroness O'Neill of Bengarve, speaking on trust and communication in academic publication, and T. Scott Plutchak discussing plagiarism in academia.

After nearly eight years with CrossRef, Amy
Brand, formerly Director of Business and Product
Development, left in October 2008 to become
Program Manager at Harvard University's
new Office of Scholarly Communication. Amy
contributed in a major way to CrossRef's emergence
as a successful organization, and Harvard is
certain to benefit by her knowledge and skills. Also
in October, Kirsty Meddings joined CrossRef as
Product Manager, and in November, Carol Meyer,
well known in the industry for her consultant work
with many prestigious clients, joined as Business
Development and Marketing Manager.

CrossRef staff members continue their engagement with communities of interest. Ed Pentz is now Treasurer of UKSG, and continues to chair the UKSG Project TRANSFER Working Group. Chuck Koscher, Director of Technology, has taken on the role of Chair of NISO, the National Information Standards Organization, and Carol Meyer is a Board Member of the Society for Scholarly Publishing. CrossRef continues to generate industry press coverage and promote awareness of its offerings through participation in major industry conferences and meetings.

# CrossCheck shines the spotlight on plagiarism.





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You want to ensure that the content you publish is original and trustworthy. CrossCheck compares texts against a vast database of current and archival scholarly content. The powerful iThenticate software identifies and highlights passages that are

similar to other works. CrossCheck is the only plagiarism screening service that lets you compare manuscripts against millions of relevant academic publications. It flags suspicious content for further review and action.

To learn more about how CrossCheck can help protect your publications visit www.crossref.org/crosscheck.html.

WORKING TOGETHER TO ENSURE THE INTEGRITY OF THE PUBLISHED RECORD



### CROSSREF AFFILIATES.

THE ARCTIC INSTITUTE OF NORTH AMERICA

www.ucalgary.ca/aina

ATLAS CO, LTD.

http://atlas.jp

**BIO-RAD LABORATORIES, INC.** 

www.bio-rad.com

**BOWKER** 

www.bowker.com

CAMBRIDGE CRYSTALLOGRAPHIC

DATA CENTRE

www.ccdc.cam.ac.uk

THE CHARLESWORTH GROUP

www.charlesworth.com

CLOCKSS

www.clockss.org

COLWIZ, LIMITED

www.colwiz.com

CNPq

www.cnpq.br

DATA CONVERSION LABORATORY

www.dclab.com

**DECHEMA** 

www.dechema.de

EBSCO PUBLISHING

www.ebsco.com

EDINA/UNIVERSITY OF

**ABERYSTWYTH** edina.ac.uk

ENERGY TECHNOLOGY DATA EXCHANGE

www.etde.org

**EUROPEAN PATENT OFFICE** 

www.epo.org

**EXPERT PUBLISHING LLC** 

www.expub.com

FIZ KARLSRUHE

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www.fiz-karlsruhe.de

FIZ TECHNIK E.V.

www.fiz-technik.de

FRAUNHOFER GESELLSCHAFT

www.irb.fraunhofer.de

HEALTH COMMUNICATION NETWORK, LTD.

www.hcn.net.au

INERA

www.inera.com

INFORMATION EXPRESS

(reviews.com)

www.reviews.com www.ieonline.com

INFOTRIEVE

www.infotrieve.com

INSTITUTE OF PSYCHOLOGY INFORMATION (ZPID)

www.zpid.de

INTERNATIONAL ATOMIC

ENERGY AGENCY www.iaea.org

INTERNATIONAL BIBLIOGRAPHY
OF THE SOCIAL SCIENCES

www.ibss.ac.uk

JAPAN MEDICAL ABSTRACTS

SOCIETY (JAMAS)

www.jamas.or.jp

JAPAN SCIENCE AND TECHNOLOGY AGENCY (JST)

www.jst.go.jp

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LABMEETING, INC.

www.labmeeting.com

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www.mekentosj.com

MENDELEY LTD.

www.mendeley.com

MPS TECHNOLOGIES

www.mpstechnologies.com

NATIONAL CENTER FOR PTSD

www.ncptsd.org

NATIONAL RESEARCH INFORMATION CENTER

PALGRAVE MACMILLAN

www.palgrave.com

**PORTICO** 

www.portico.org

PROQUEST INFORMATION & LEARNING

www.proquest.com

**SCIENCE CHECK** 

www.sciencecheck.org

SEED MEDIA

www.seedmediagroup.com

THE SHERIDAN GROUP

www.sheridan.com

SYMYX SOFTWARE

www.symyx.com

**TDNET** 

www.tdnet.com

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ASSOCIATION OF SUBSCRIPTION AGENTS AND INTERMEDIARIES

www.subscription-agents.org

ASSOCIATION OF LEARNED AND PROFESSIONAL SOCIETY PUBLISHERS

www.alpsp.org

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THE EUROPEAN MOLECULAR BIOLOGY ORGANIZATION (EMBO)

www.embo.org

**NFAIS** www.nfais.org

PUBLISHERS LICENSING SOCIETY

www.pls.org.uk

SERMO

www.sermo.com

AGENTS

ALLEN PRESS

www.allenpress.com

**ARIES SYSTEMS** 

www.ariessys.com

ATYPON

www.atypon.com

HIGHWIRE

www.highwire.org

INASP/JOL

www.inasp.info

METAPRESS

www.metapress.com

PUBLISHING TECHNOLOGY (INGENTA)

www.publishingtechnology.com

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www.iii.com

OCLC PICA OL2

www.openly.com www.fdusa.com/linking.html

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AARP

www.aarp.org

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bioinfo.pl

BOLIVEN, LLC www.boliven.com

EASYBIB.COM

www.easybib.com

**EUROPEAN BIOINFORMATICS** 

INSTITUTE (EMBL)

www.embl.de

GREENDATA

www.greendata.es

KREEF

www.k-reef.com

MESUR

www.mesur.org/MESUR.html

**NASA ADS** 

adswww.harvard.edu

ONTARIO COUNCIL OF UNIVERSITY LIBRARIES (OCUL)

www.ocul.on.ca

**PROQUEST LLC.** www.proquest.com

SCIRUS

**SUNMEDIA** 

www.scirus.com

www.sunmedia.com

CROSSREF END-USER LOOKUP AFFILIATES

AVEDAS

www.avedas.com

CITEULIKE/OVERSITY

www.citeulike.org

**JOURNALFIRE, INC** journalfire.org

LUCARE SYSTEMS, LLC

www.lucare.com
THE MAZUR GROUP

mazur-www.harvard.edu

NORTHUMBRIA LEARNING www.nlearning.co.uk

PAPERCHECK.COM www.papercheck.com

TALIS

www.talis.com

**UNIVERSITY OF NORTH FLORIDA** www.unf.edu

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### BOARD OF DIRECTORS.

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### **Robert Campbell**

Alternate: Craig Van Dyck John Wiley & Sons, Inc. Term: 2006-2009 www.wiley.com

### TREASURER

### Linda Beebe

Alternate: Gary VandenBos American Psychological Association Term: 2008-2011 www.apa.org

### EXECUTIVE DIRECTOR/ SECRETARY

### **Ed Pentz**

CrossRef www.crossref.org

ASSISTANT SECRETARY

### Lisa Hart

CrossRef www.crossref.org

### BOARD MEMBERS

### **Beth Rosner**

Alternate: Stewart Wills American Association for the Advancement of Science (The Publisher of Science) Term: 2007-2010 www.sciencemag.org

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Alternate: Terry Hulbert American Institute of Physics Term: 2008-2011 www.aip.org

### **Bernard Rous**

Association for Computing Machinery Term: 2006-2009 www.acm.org

### Paul Reekie

Alternate: Andrew Stammer CSIRO Publishing Term: 2008-2011 www.csiro.au

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Alternate: Chris Shillum
Elsevier
(Ambulatory Pediatric Association,
Academic Press, Cell Press, Churchill
Livingstone, Elsevier Science,
Hanley & Belfus Inc., The Lancet,
The Medicine Publishing Company,
Mosby, Spektrum, Urban & Fischer
Verlag, W.B. Saunders)
Term: 2007-2010
www.elsevier.com
www.academicpress.com

### Ahmed Hindawi

Alternate: Paul Peters Hindawi Term: 2006-2009 www.hindawi.com

### Ian Bannerman

Alternate: Bob Hecht Informa UK Term: 2006-2009 www.tandf.co.uk

### **Patricia Shaffer**

Alternate: Randy Kiefer INFORMS Term: 2008-2011 www.informs.org

### **Anthony Durniak**

Alternate: Gerry Grenier
The Institute of Electrical and
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Term: 2008-2011
www.ieee.org

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Alternate: Jason Wilde Nature Publishing Group Term: 2007-2010 www.nature.com

### **Carol Richman**

Alternate: John Shaw Sage Publications Term: 2006-2009 www.sagepub.com

### Wim van der Stelt

Alternate: Ray Colon Springer Science + Business Media Term: 2007-2010 www.springerlink.com

### **Thomas Connertz**

Alternate: David Stewart Thieme Publishing Group Term: 2007-2010 www.thieme.de

### Rebecca Simon

Alternate: Gabriel Alvaro University of California Press Term: 2008-2011 www.ucpress.edu







### CROSSREF AND THE ENVIRONMENT.

CrossRef is committed to the conservation of precious natural resources and the continued health of our planet. As a global citizen, we continually strive to reduce the environmental impact of the work we do.



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### NORTH AMERICA

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### EUROPE

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