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Abstract and Index and Web Discovery Services IEEE Partners

Introduction

This document is intended to provide a general overview of the abstract and indexing services and web discovery services that take in IEEE content. While this report is intended to provide readers with information on IEEE content indexed and in what service, there are several things to keep in mind:

- Services identified in this report do not cover everything in IEEE's Xplore Digital Library either because IEEE does not provide all content to these services, or because only certain content was selected by a partner.

- Some services add and delete titles regularly, or include only select articles, in order to maintain a database that is relevant to their audience. While IEEE may provide a data feed for a particular subscription package (noted in the tables below), partners are not required to index all content.

- Most partners update their products at varying intervals and many *Abstract and Indexing Services* **do not** include corrected or updated article information.

As a result, and given that these services and our agreements with these partners can and do change, readers of this report are encouraged to contact Krista Thom, Publishing Relations Program Specialist at k.thom@ieee.org with specific questions.

Abstract & Indexing Services

Abstract and indexing services maintain databases, often subject-specific, which users can search to find relevant content. The data included in these services may be peer-reviewed journals, books, reports, and other types of content. Unlike web scale discovery

services, these services collect metadata (including abstracts) from publishers and other organizations into large repositories or indexes. Search results often include abstracts or a brief summary of a research article that helps the user assess the relevance of the result. Most of these products give users the opportunity to view or purchase the full-text article at the publisher's website. Abstract and indexing services can include a wide breadth of information or can specialize in specific subject areas such as biosciences or humanities.

IEEE Abstract & Indexing Services Partners

Organization	Product Description	IEEE Content Indexed
Allen Institute for Artificial Intelligence	Semantic Scholar uses AI2's expertise in artificial intelligence to help researchers find the most relevant information efficiently.	- IEEE periodicals - IEEE conferences - IEEE standards - SMPTE (periodicals, conferences, and standards) - Morgan & Claypool books - MIT Press books - IEEE-Wiley books
American Chemical Society (ACS)	CAS, a division of the American Chemical Society, offers several databases of chemical information including CAplus.	- IEEE Journal of Selected Topics in Quantum Electronics - Tsinghua Science and Technology - IEEE Transactions on Device and Materials Reliability - IEEE Sensors Journal - IEEE Transactions on Nanotechnology - IEEE Transactions on Applied Superconductivity - IEEE/ACM Transactions on Computational Biology and Bioinformatics - Journal of Display Technology - IEEE Photonics Technology Letters

		- IEEE Transactions on Components, Packaging, and Manufacturing Technology - IEEE Transactions on Terahertz Science and Technology - IEEE Electron Device Letters - IEEE Photonics Journal - IEEE Journal of the Electron Devices Society - IEEE Magnetics Letters - Proceedings of the IEEE - IEEE Transactions on Instrumentation and Measurement - IEEE Journal of Quantum Electronics - IEEE Transactions on Magnetics - IEEE Transactions on Electron Devices - IEEE Transactions on Nuclear Science - IEEE Transactions on Industry Applications - IEEE Transactions on Power Delivery - IEEE Transactions on Plasma Science - Journal of Lightwave Technology - Journal of Microelectromechanical Systems - IEEE Transactions on Dielectrics and Electrical Insulation
American Geosciences Institute (AGI)	GeoRef is a database of global geosciences literature.	- IEEE Geoscience and Remote Sensing Letters - IEEE International Conference on Robotics and Automation - IEEE Journal of Oceanic Engineering - IEEE Transactions on Acoustics, Speech, and Signal Processing - IEEE Transactions on Automatic Control - IEEE Transactions on Geoscience Electronics - IEEE Transactions on Microwave Theory and Techniques

		• IEEE Transactions on Pattern Analysis and Machine Intelligence
American Mathematical Society (AMS)	[Mathematical Reviews MathSciNet](#) provides information on peer-reviewed articles and books in the mathematical sciences.	Journals: • IEEE/CAA Journal of Automatica Sinica • IEEE Control Systems • IEEE Transactions on Antennas and Propagation • IEEE Transactions on Automatic Control • IEEE Transactions on Circuits and Systems. I. Regular Papers • IEEE Transactions on Computers • IEEE Transactions on Computational Imaging • IEEE Transactions on Control of Network Systems • IEEE Transactions on Image Processing • IEEE Transactions on Information Theory • IEEE Transactions on Network Science and Engineering • IEEE Transactions on Signal Processing • Tsinghua Science and Technology • IEEE Transactions on Neural Networks and Learning Systems • IEEE Transactions on Signal and Information Processing over Networks Conference Proceedings: • Conference on Computational Complexity (CCC) • Foundations of Computer Science (FOCS) • International Symposium on Multi-Valued Logic (ISMVL) • Logic in Computer Science (LICS) • International Workshop on Robot Motion and Control (RoMoCo)

American Psychological Association (APA)	PsycINFO is an abstract database that includes records centered on psychology and the behavioral and social sciences. PsycTESTS is dedicated to psychological tests, scales, inventories, surveys, and other measures.	• IEEE Transactions on Learning Technologies • IEEE Transactions on Affective Computing • IEEE Transactions on Human-Machine Systems • IEEE Transactions on Professional Communication
Association for Computing Machinery (ACM)	ACM Digital Library, includes full text of ACM publications and affiliated publications.	• IEEE/ACM Transactions on Audio, Speech, and Language Processing • IEEE/ACM Transactions on Computational Biology and Bioinformatics • IEEE/ACM Transactions on Networking • IBM Journal of Research and Development • IBM Systems Journal
DBLP Computer Science Bibliography	DBLP provides bibliographic information on major computer science publications.	• Select IEEE Computer and Communications Society magazines, journals and conferences
Digital Science	Digital Science is a technology company focusing on science and research. Services include ReadCube and Dimensions.	Deep Legacy Backfile-present • IEEE Periodicals • IEEE Conferences • IEEE Standards
Directory of Open Access Journals (DOAJ)	DOAJ is a community-curated list of peer-reviewed open access journals.	• IEEE Access • IEEE Journal of Translational Engineering in Health and Medicine • IEEE Journal of the Electron Devices Society • IEEE Photonics Journal
Elsevier Engineering Information	Elsevier provides several technical and scientific research databases including Compendex, ScienceDirect, and Scopus.	Deep Legacy Backfile-present • IEEE Periodicals • IEEE Conferences • IEEE Standards • IBM Journal of Research and Development • IBM Systems Journal

		• SMPTE (journals, conferences, and standards) • IEEE-Wiley books • Wiley Telecom books • Now books
Google, Inc.	Google and GoogleScholar are search engines used to seek scholarly and general content.	Deep Legacy Backfile-present • All IEEE & partner content
IEEE GlobalSpec, Inc.	IEEE GlobalSpec runs Engineering360, an online source for engineering news, analysis, and resources.	Deep Legacy Backfile-present • IEEE Periodicals • IEEE Conferences • IEEE Standards • IEEE-Wiley books • Wiley Telecom books • MIT Press books • Morgan & Claypool books • SMPTE (standards, periodicals, and conferences) • Now books
The Institution of Engineering and Technology (IET)	The IET INSPEC database indexes literature in the fields of science and technology. INSPEC is also offered as part of Elsevier's Engineering Village Web service.	1980-present • IEEE All Society Periodical Package (ASPP) • IEEE Spectrum Magazine • IEEE Proceedings of the IEEE 2000-present • IEEE Conference Proceedings Package (POP ALL) • Most final, approved standards and recently some Draft Standards
JournalTOCs	JournalTOCs is a free journal table-of-contents alerting service for newly published scholarly material. It is a project of Heriot-Watt University in Edinburgh.	• All of IEEE's publications that offer an RSS feed

Meta	[Meta](#) is a platform that uses artificial intelligence to help scientists read, analyze, prioritize, and draw insights across millions of scientific papers. It is owned by the [Chan Zuckerberg Initiative](#).	Select biomed articles and publications, including: • IEEE/ACM Transactions on Computational Biology and Bioinformatics • IEEE Journal of Biomedical and Health Informatics • IEEE Pulse • IEEE Transactions on Medical Imaging • IEEE Transactions on Nanobioscience • IEEE Transactions on Neural Systems and Rehabilitation Engineering
Microsoft, Inc.	[Bing](#) is a free search engine developed by Microsoft. [Microsoft Academic](#) is a dedicated academic search tool.	Deep Legacy Backfile to Present • All IEEE & partner content
Modern Language Association (MLA)	[MLA International Bibliography](#) provides a subject index for books and articles published on modern languages and linguistics.	• IEEE Transactions on Professional Communication
National Library of Medicine (NLM)	[PubMed](#) and [PubMed Central](#) are freely accessible online databases of biomedical publications created by the U.S. National Library of Medicine	• Annual International Conference of the IEEE Engineering in Medicine and Biology • IEEE Computer Graphics and Applications • IEEE Engineering in Medicine and Biology Magazine • IEEE International Conference on Rehabilitation Robotics • IEEE International Conference on Rehabilitation Robotics • IEEE Journal of Biomedical and Health Informatics • IEEE Pulse • IEEE Reviews in Biomedical Engineering

		• IEEE Transactions on Biomedical Circuits and Systems • IEEE Transactions on Biomedical Engineering • IEEE Transactions on Cybernetics • IEEE Transactions on Fuzzy Systems • IEEE Transactions on Haptics • IEEE Transactions on Image Processing • IEEE Transactions on Information Technology in Biomedicine • IEEE Transactions on Medical Imaging • IEEE Transactions on Nanobioscience • IEEE Transactions on Neural Networks • IEEE Transactions on Neural Systems and Rehabilitation Engineering • IEEE Transactions on Pattern Analysis and Machine Intelligence • IEEE Transactions on Rehabilitation Engineering • IEEE Transactions on Systems, Man, and Cybernetics. Part B, Cybernetics • IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control • IEEE Transactions on Visualization and Computer Graphics • IEEE/ACM transactions on Computational Biology and Bioinformatics • IEEE Journal of Translational Engineering in Health and Medicine (indexed in PMC)
Optical Society of America (OSA)	OSA Publishing is OSA's online library for OSA journals and for partnered and co-published journals. IEEE co-publishes three journals with OSA.	• IEEE/OSA Journal of Display Technology • IEEE/OSA Journal of Lightwave Technology • IEEE/OSA Journal of Optical Communications and Networking

The Pennsylvania State University	CiteSeerX is an evolving scientific literature digital library and search engine that focuses primarily on the literature in computer and information science.	Deep Legacy Backfile-present • IEEE All Society Periodical Package (ASPP) • IEEE Spectrum Magazine • IEEE Proceedings of the IEEE • IEEE Conference Proceedings Package (POP ALL) • IEEE Standards Online (ISOL) ALL • IET Conferences & Periodicals
Clarivate Analytics (formerly Thomson Reuters)	Clarivate Analytics offers specialized and topical databases, including Web of Science, and Journal Citation Reports (JCR).	Deep Legacy Backfile-present • IEEE All Society Periodical Package (ASPP) • IEEE Spectrum Magazine • IEEE Proceedings of the IEEE • Many IEEE Conference Proceedings • IBM Journal of Research and Development • IBM Systems Journal • Tsinghua Science and Tech • Journal of Systems Engineering • SMPTE Periodicals & Conferences
TRID-Transport Research International Documentation	TRID is the world's largest and most comprehensive bibliographic resource on transportation research information. It is produced and maintained by the Transportation Research Board of the US National Academies.	• IEEE Transactions on Intelligent Transportation Systems • IEEE Intelligent Transportation Systems Magazine • IEEE Vehicular Technology Magazine • IEEE Transactions on Vehicular Technology
United States Department of Education (Resource Information Center)	ERIC provides access to 1.5+ million bibliographic records of journal articles and other education-related materials.	• IEEE Transactions on Education • IEEE Transactions on Learning Technologies

Web Scale Discovery Services

Web scale discovery services develop commercial applications, usually geared toward institutional libraries. They allow library users to find locally and externally licensed content. Searchable content may include physical holdings (such as books and DVDs), local electronic content (such as digital image collections and institutional repository materials), and remotely hosted content purchased or licensed by the library (such as e-books and publisher databases). Through the use of link resolvers, users are able to access content on third-party sites.

IEEE Web Scale Discovery Services Partners

Organization	Product Description	IEEE Content Indexed
EBSCO	EBSCO Discovery Service (EDS) is a discovery service that offers full-text search and indexing of library resources.	Deep Legacy Backfile-present • IEEE Periodicals • IEEE Conferences • IEEE Standards • IEEE-Wiley books • Wiley Telecom books • MIT Press books • Morgan & Claypool books • SMPTE (standards, periodicals, and conferences) • Now books
OCLC WorldCat	WorldCat itemizes the collections of OCLC member libraries and incorporates the data, along with other scholarly content, into its database.	Deep Legacy Backfile-present • IEEE Periodicals • IEEE Conferences • IEEE Standards • IEEE-Wiley books • Wiley Telecom books • MIT Press books • Morgan & Claypool books • Now books

ProQuest	Summon allows researchers to quickly search, discover and access content. Primo Discovery and Delivery Service is an internet based discovery service that serves the library and institutional market.	Deep Legacy Backfile-present • IEEE Periodicals • IEEE Conferences • IEEE Standards • IEEE-Wiley books • Wiley Telecom books • MIT Press books • Morgan & Claypool books • SMPTE (standards, periodicals, and conferences) • Now books