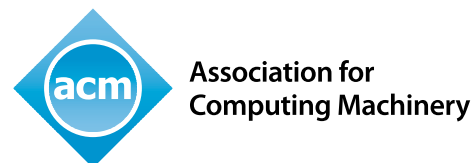




Today's Research Driving Tomorrow's Technology

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Association for
Computing Machinery



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ABOUT ACM

More than 60 years of history. Over 110,000 members in 190 countries worldwide. 37 Special Interest Groups covering the breadth of computer science and IT.
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In addition to ACM's world-renowned publishing program, our range of Special Interest Groups (SIGs) convene hundreds of conferences and workshops each year, providing professionals, researchers, and academics alike with opportunities to meet and discuss the latest advances across the spectrum of computer science.

ACM is also highly active in furthering the future of computing, helping to shape educational curricula and policy across the world, and awarding — among other prestigious awards and prizes — the sought-after A.M. Turing Award that recognizes the key advances in computing and IT and which comes with a \$1,000,000 prize provided by Google.

All of this is made possible by our dedicated and passionate members and fellows, many of whom volunteer their time to serve on our boards, driving all of our activities and ensuring that ACM truly is the voice of the global computing community.



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Our Complete Collection

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Each year over 20,000 newly published articles from our journals, magazines and newsletters, as well as over 500 annual conference volumes — representing nearly 20% of the world's scholarly computing literature — are added to the complete full-text archive of over 425,000 ACM articles dating back to 1951.

The greatest minds

ACM publishes research from the leading names in computing, much of which has proven crucial to developing technology in widespread use today — including key achievements from Vint

Cerf, Shafi Goldwasser, Silvio Micali, Charles Thacker, Marvin Minsky, and other prominent researchers recognized by the A.M. Turing Award.

The next major technological advances will stem from research that is being undertaken today and published within the ACM Digital Library, covering fields as diverse as computer graphics, networking, gaming, artificial intelligence, and beyond.

Covering the breadth of computing

ACM's 37 Special interest Groups (SIGs) represent virtually every major area of computing, from Artificial Intelligence to the Web. Most SIGs publish regular newsletters with a practical focus, and sponsor a number of conferences and workshops. The ACM Digital Library includes the complete archive of each SIG's publications, proceedings from relevant events, and supporting multimedia materials.

IMAGE BY CONNELL



KEY FACTS ABOUT THE DIGITAL LIBRARY

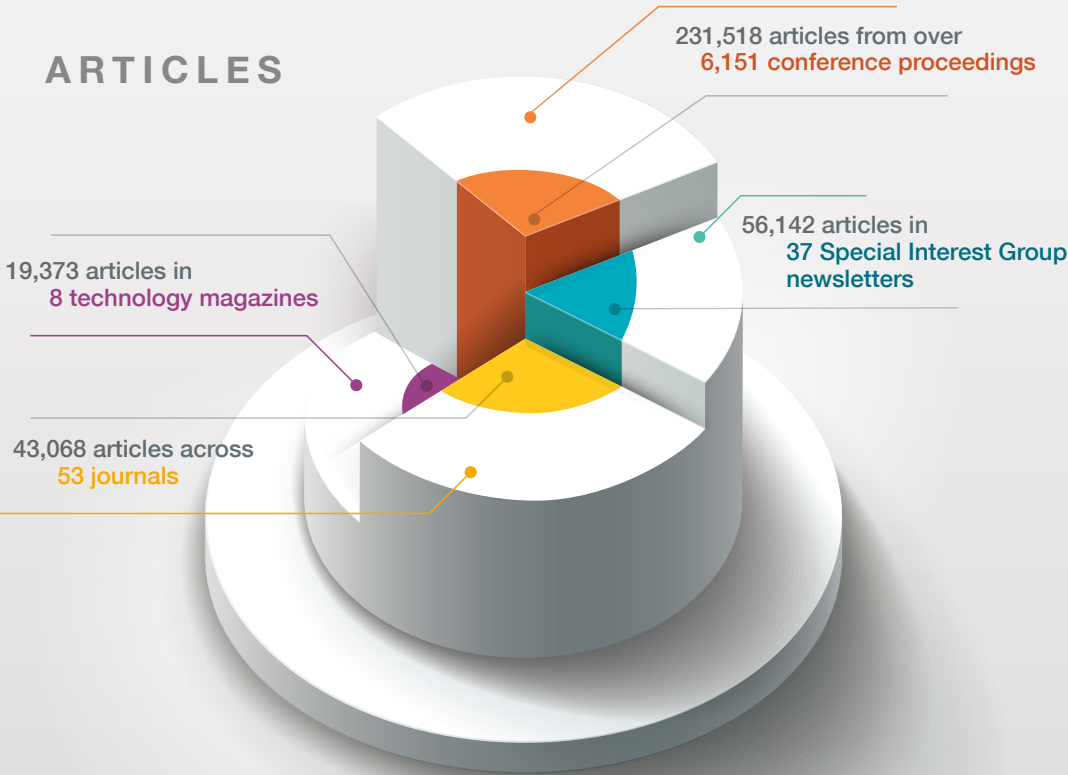
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Global Impact

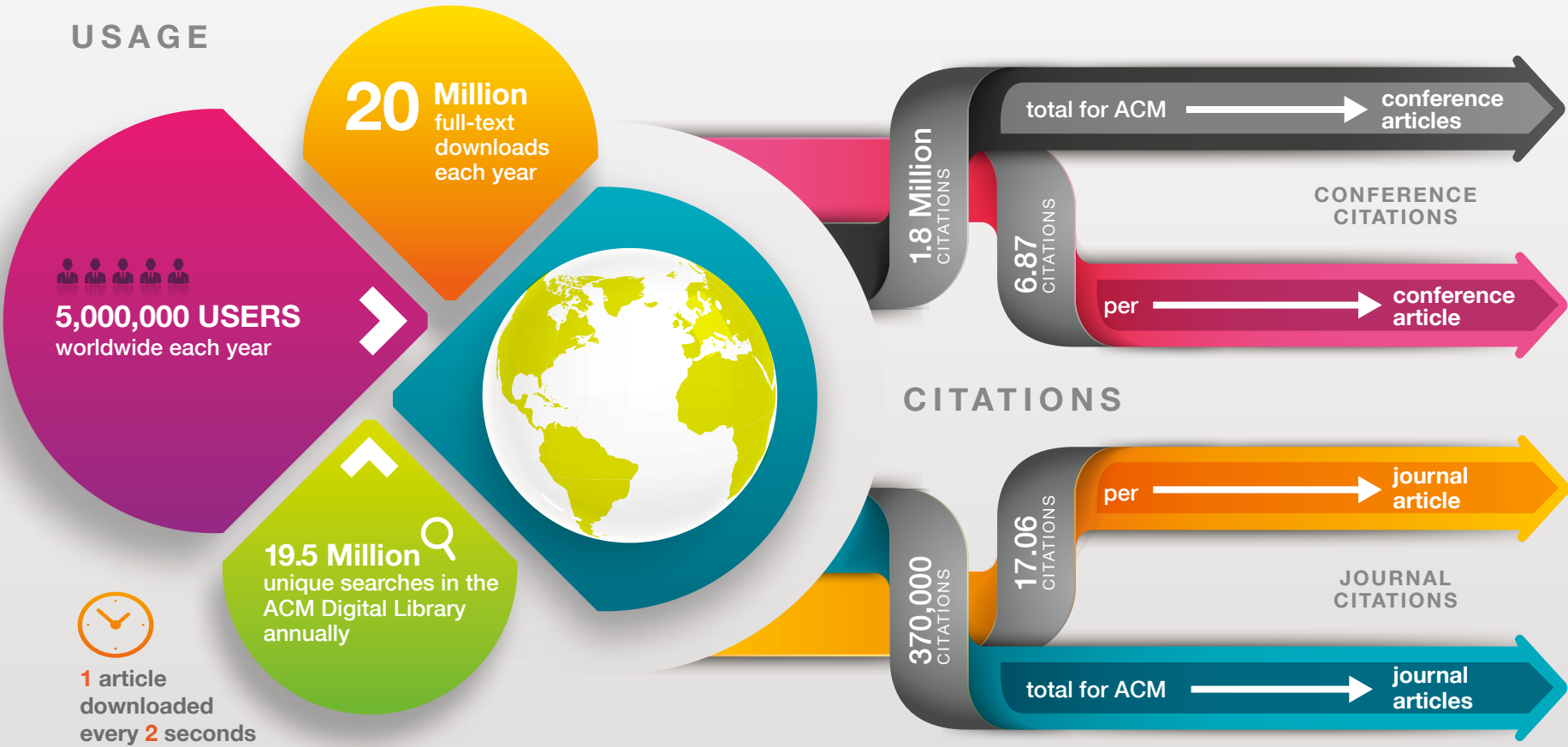
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ARTICLES



USAGE



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A Cutting Edge Platform

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Detailed metrics on downloads and citations are available for authors and articles.

Institutional Profile Pages

Publication data aggregated at the institutional level to provide a single snapshot of an entire institution's publication history in the field of computing, including the combined usage and citation statistics for all authors affiliated with that institution.

Multimedia

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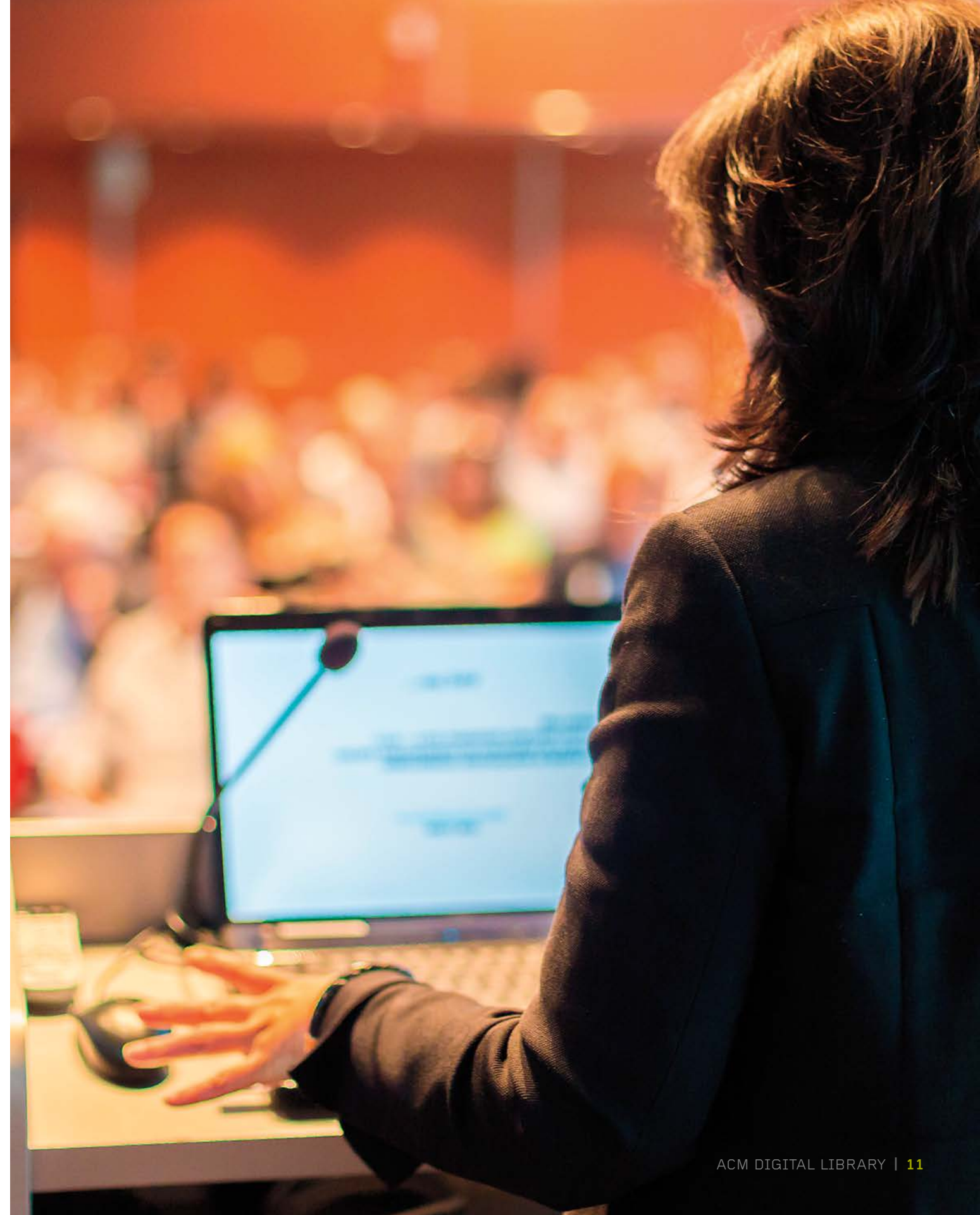
A selection of key ACM SIG events:

- The International Conference and Exhibition on Computer Graphics and Interactive Techniques
- The International Conference on Supercomputing
- The ACM Conference on Human Factors in Computing Systems

- Design Automation Conference
- The ACM SIGKDD Conference on Knowledge Discovery and Data Mining
- The International Conference on Management of Data
- The ACM International Conference on Multimedia
- International ACM SIGIR Conference on Research and Development in Information Retrieval
- The International Conference on Software Engineering
- The ACM Symposium on Operating Systems Principles

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IMAGE BY MATEJ KASTELIC



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Leading Research, News and Opinion

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cacm.acm.org

DL Citation Count: 158,389 • Impact Factor: 2.863

- #1 by Citations in CS Software Engineering
- #2 by Citations in CS Hardware & Architecture
- #3 by Citations in CS Theory & Methods

Communications of the ACM is the leading print and online magazine for the computing and information technology fields. Industry leaders use Communications as a platform to present and debate various technology implications, public policies, engineering challenges, and market trends.

Computing Surveys

surveys.acm.org

DL Citation Count: 39,969 • Impact Factor: 4.043

- #3 by Impact Factor in CS Theory & Methods

Computing Surveys, a comprehensive collection of survey papers and symposia, provides a guided tour of such computing disciplines as multimedia, artificial intelligence, software engineering, and many more.



Journal of the ACM

jacm.acm.org

DL Citation Count: 72,637 • Impact Factor: 2.939

- #5 by Citations in CS Software Engineering
- #6 by Citations in CS Hardware & Architecture
- #7 by Citations in CS Theory & Methods
- #3 by Impact Factor in CS Software Engineering
- #4 by Impact Factor in CS Hardware & Architecture
- #6 by Impact Factor in CS Theory & Methods
- #9 by Citations in CS Information Systems

Journal of the ACM serves as an international venue for careful presentation of theoretical research in core computing areas, such as: complex algorithms, computer architecture, system modeling, database theory, and data structures.

Graphics (TOG)

tog.acm.org

DL Citation Count: 58,381 • Impact Factor: 3.725

- #1 by Impact Factor in CS Software Engineering
- #2 by Citations in CS Software Engineering

Leading researchers discuss new developments in computer-aided design, image generation, rendering, modeling, and more in TOG.

53 Scholarly Peer-Reviewed Journals
8 Technology Magazines

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- Computers in Entertainment
- eLearn
- Inroads
- Interactions
- acmqueue
- Ubiquity
- XRDS: The ACM Magazine for Students

Journals and Transactions

- Accessible Computing
- Architecture and Code Optimization
- Algorithms
- Asian Language Information Processing
- Applied Perception
- Audio, Speech and Language Processing
- Autonomous and Adaptive Systems
- Computational Biology and Bioinformatics
- Computing Education
- Computer-Human Interaction
- Computational Logic
- Computing Surveys
- Computer Systems
- Computation Theory
- Design Automation of Electronic Systems
- Database Systems
- Economics and Computation
- Embedded Computing Systems
- Graphics Information Systems
- Interactive Intelligent Systems
- Internet Technology
- Information and System Security
- Intelligent Systems and Technology



- Journal of the ACM
- Journal of Data and Information Quality
- Journal of Experimental Algorithmics
- Journal on Emerging Technologies in Computing Systems
- Journal on Computing and Cultural Heritage
- Knowledge Discovery from Data
- Management Information Systems
- Mathematical Software
- Modeling and Computer Simulation
- Multimedia Computing, Communications, and Applications
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- Parallel Computing
- Programming Languages and Systems
- Storage
- Software Engineering and Methodology
- Sensor Networks
- Reconfigurable Technology and Systems
- Web

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In addition to resources published by the ACM and its Special Interest Groups, the ACM Digital Library incorporates full text access to a curated list of high quality journals published by third parties. Please note that archival and perpetual access rights do not apply to Affiliated Publications.

- Computational Linguistics
- Evolutionary Computation
- International Journal of Network Management
- Journal of Computing Sciences in Colleges
- The Journal of Machine Learning Research
- Journal of Usability Studies
- Linux Journal
- Personal and Ubiquitous Computing
- Proceedings of the VLDB Endowment
- The VLDB Journal — International Journal On Very Large Databases

ACM SIG NEWSLETTERS

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Topical Highlights

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- Accessibility and Computing
- Ada Programming Language
- Algorithms and Computational Theory
- Applied Computing
- Artificial Intelligence
- Bioinformatics, Computational Biology, and Biomedical Informatics
- Computer Architecture
- Computer Graphics and Interactive Techniques
- Computer-Human Interaction
- Computer Science Education
- Computers and Society
- Data Communication
- Design Automation
- Design of Communication
- Electronic Commerce
- Evolutionary Computation
- Fortran Forum Newsletter
- Genetic and Embedded Systems
- High Performance Computing

- Hypertext, Hypermedia and Web
- Information Retrieval
- Information Technology Education
- Knowledge Discovery in Data
- Management Information Systems
- Management of Data
- Measurement and Evaluation
- Microarchitecture
- Mobility of Systems, Users, Data and Computing
- Multimedia Systems
- Operating Systems
- Programming Languages
- Security, Audit and Control
- Simulation and Modeling
- Software Engineering
- Spatial Information
- Symbolic and Algebraic Manipulation
- University and College Computing Services

**More information about ACM SIG
Newsletters can be found at acm.org/sigs**



IMAGE BY SASHKIN

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NEW

Published by ACM in conjunction with Morgan & Claypool Publishers, ACM Books is a new series of high quality, advanced level books for the computer science community.

Editor in Chief: M. Tamer Ozsu, University of Waterloo

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- Bioinformatics
- Cloud computing
- Computer graphics
- Computer networks
- Data management
- History of computing
- Human-centered computing
- Information retrieval & digital libraries
- Machine learning & data mining
- Mobile computing



- Multimedia systems
- Parallel computing
- Programming languages
- Security & privacy
- Social computing
- Software engineering
- Web technology & science

**For more information, please visit
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IMAGE BY BLUECRAYOLA

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Unparalleled Access

The ACM Computing Reviews database provides practitioners, researchers, educators, and students with an unparalleled resource, creating a unique roadmap to the vast ocean of scholarly and practical information in one of the fastest moving fields of knowledge today.

Every year, over 8,000 books, 2,500 dissertations, 20,000 journal articles from over 750 journal titles and over 30,000 conference papers from over 500 conferences are published in the field of computing. This does not include the thousands of master's theses, technical reports, technical manuals, working papers, blog entries, presentations, or other materials published each year. Filtering this vast quantity of information is difficult and there are very few high quality resources available to help individuals to do this well. ACM Computing Reviews is such a resource.

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IMAGE BY EUGENE SERGEEV



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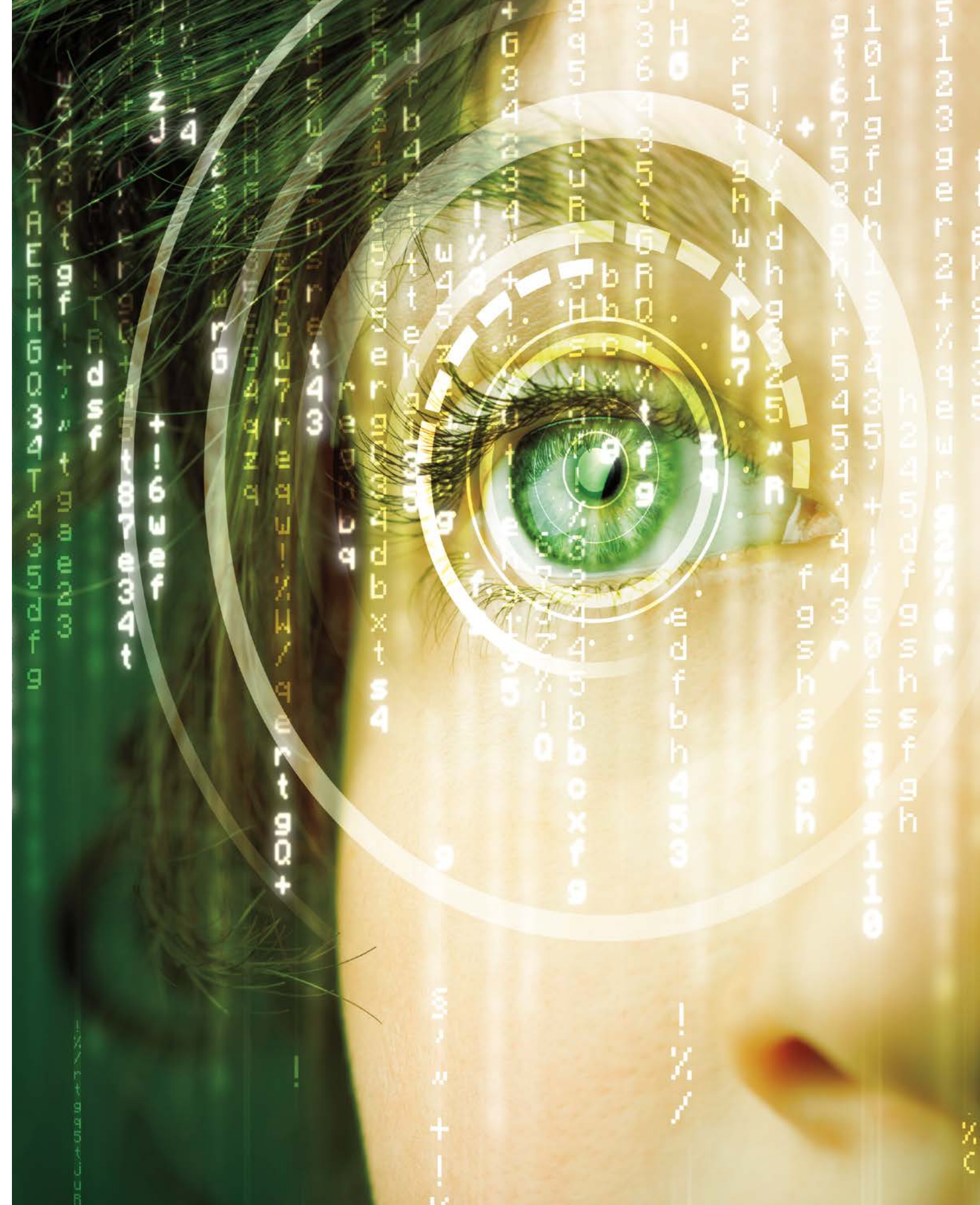
ernments across the world increasingly expect research outputs to be freely available to the general public through open access publications and institutional repositories.

To help researchers meet this need, all ACM journals and conference proceedings volumes offer an author-pays option to ensure that their work is freely available, immediately upon publication, via the payment of a one-time Article Processing Charge (APC).

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IMAGE BY RA2STUDIO





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For more information, please visit chorusaccess.org

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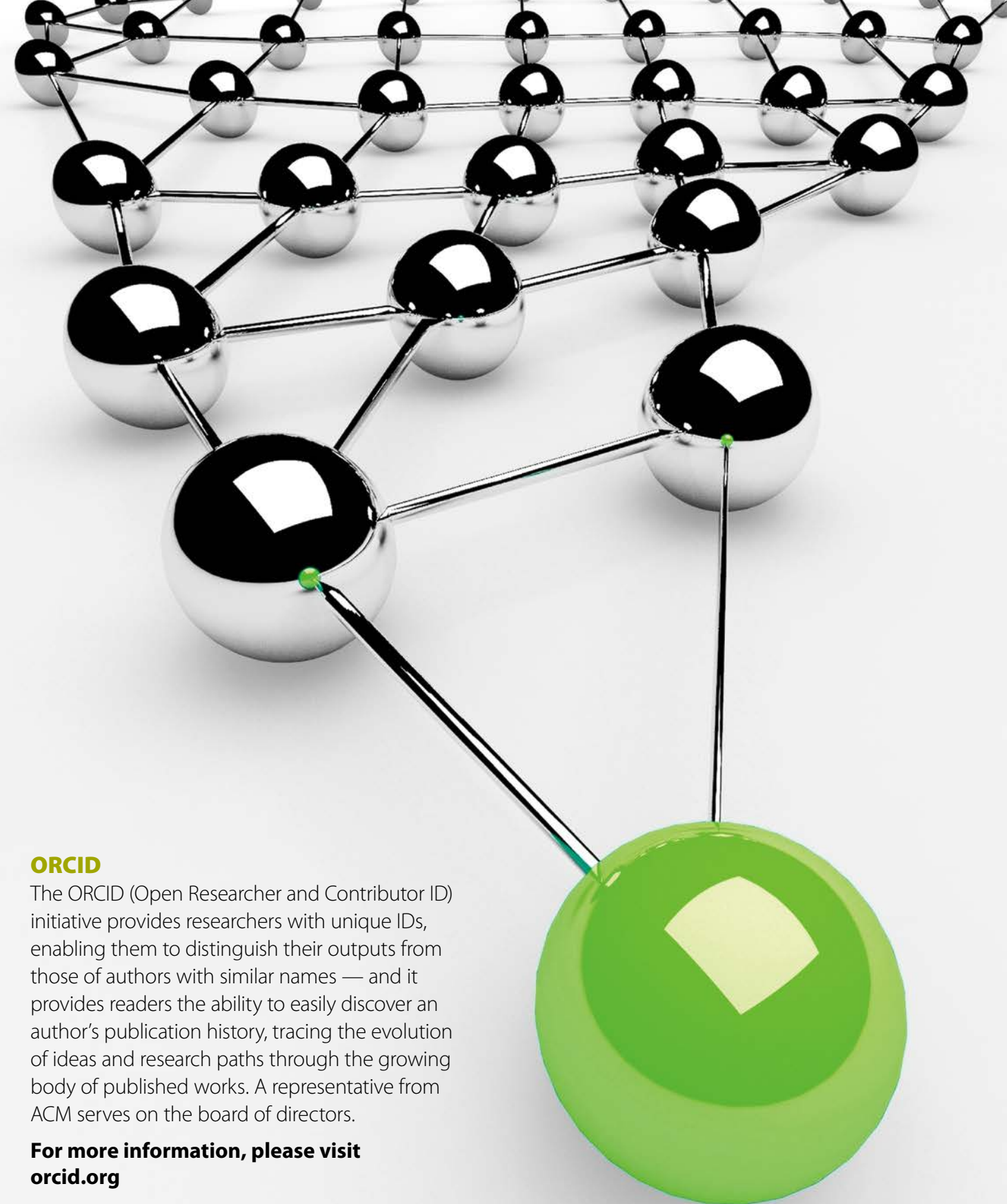


IMAGE BY 3DPROFI

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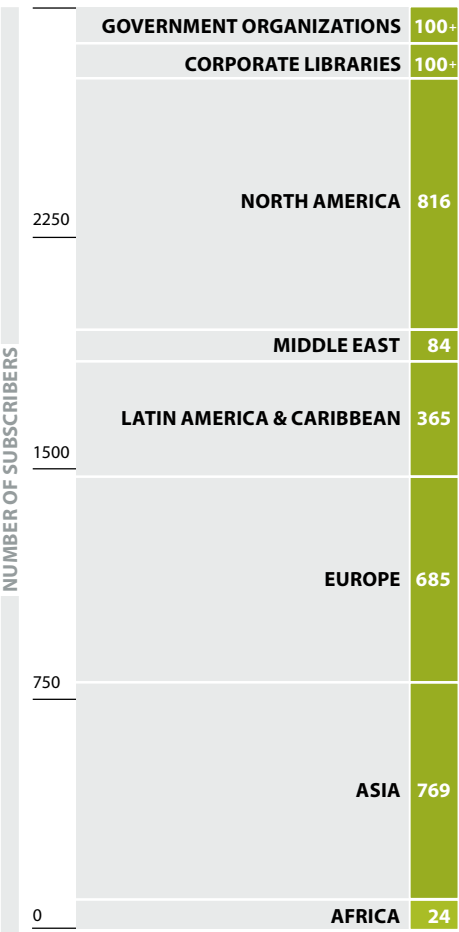


IMAGE BY JOHAN SWANEPOEL

