

About ACM

The Association for Computing Machinery is the premier global community of computing professionals and students with 100,000 members in more than 190 countries.

ACM organizes computing's major technical conferences and publishes highly-regarded journals and magazines, including *Communications of the ACM*.

The ACM Digital Library, the most trusted resource for computing professionals, contains all of ACM's publications from the inception of the organization in 1947.

Advancing Computing as a Science & Profession



ACM unites the computing field's educators, researchers and practitioners to inspire dialogue, share resources, and address the field's challenges.

ACM strengthens the computing profession's collective voice through strong leadership, promotion of the highest standards, and recognition of technical excellence.

ACM supports the professional growth of its members by providing opportunities for life-long learning, career development, and professional networking.



Special Interest Groups

ACM's 38 Special Interest Groups (SIGs) address the varied needs of today's IT and computing professionals, including computer graphics, human interfaces, artificial intelligence, data mining, mobile communications, computer education, software engineering, programming languages, and more.

Each SIG is organized around specific activities that best serve its practitioner- and research-based constituencies.

Many SIGs sponsor leading conferences and workshops, produce newsletters and publications, and give awards to recognize top talent in their fields.

Publications

ACM publishes more than 70 publications that provide original research and first-hand perspectives from the world's leading thinkers in computing and information technologies. ACM's more than 40 high-impact Transactions journals cover many of the major technical areas of computing.

Magazines include: *Communications of the ACM*, featuring as contributors some of the most knowledgeable and respected people in the field; *ACM Queue*, for practicing computing professionals; *XRDS*, ACM's student magazine; *Interactions*, for human and computer interaction; *Ubiquity*, a magazine and forum for in-depth analysis on IT issues, and others.



ACM Digital Library

- The ACM DL is a comprehensive online collection of ACM publications, including a 70+ year archive of ACM's journals, magazines, conference proceedings, and SIG newsletters.
- It contains more than 700,000 full-text articles from ACM publications dating back to the 1950s.
- It also provides access to more than 3 million bibliographic sources and citations from computing books, journals, proceedings, and theses beyond ACM's proprietary literature.
- The ACM DL serves as a platform for ACM Books—a series of scholarly and research monographs that includes books from across the entire spectrum of computer science subject matter.



Awards & Recognition

Among the honors that ACM bestows each year are:

- The ACM A.M. Turing Award, widely known as the “Nobel Prize of Computing,” the most prestigious award in computing
- The ACM Prize in Computing (formerly the ACM-Infosys Foundation Award in the Computing Sciences) for contributions to a contemporary innovation
- The Grace Murray Hopper Award for young computer professionals
- The Paris Kanellakis Theory and Practice Award
- The Karl V. Karlstrom Outstanding Educator Award
- The Allen Newell Award honoring contributions that bridge computer science and other disciplines

