



## Encyclopedia of Computer Science

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With contributions from over 300 international experts, the 4th Edition contains over 100 completely new articles ranging from artificial life to computer ethics, data mining to Java, mobile computing to quantum computing and software safety to the World Wide Web. In addition, each of the more than 600 articles have been extensively revised, expanded and updated to reflect the latest developments in computer science and technology.

Intelligently and thoughtfully organised, all the articles are classified around 9 main themes

- Hardware
- Software
- Computer Systems
- Information and Data
- Mathematics of Computing
- Theory of Computation
- Methodologies
- Applications
- Computing Milieux

Within each of these major headings are a wealth of articles that provide the reader with concise yet thorough coverage of the topic. In addition, cross-references are included at the beginning of each article, directing the reader immediately to related material.

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- An expanded glossary of major terms in English, German, Spanish and Russian
- A revised list of abbreviations and acronyms
- An updated list of computer science and engineering research journals
- A list of articles from previous editions not included in the 4th edition
- A Name Index listing almost 3500 individuals cited in the text
- A comprehensive General Index with 7000 entries
- A chronology of significant milestones
- Computer Society & Academic Computer Science Department Listings

- Numerical Tables, Mathematical Notation and Units of Measure

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