



SCIENCE OF COMPUTER PROGRAMMING

Methods of Software Design: Techniques and Applications

AUTHOR INFORMATION PACK

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Science of Computer Programming is dedicated to the distribution of research results in the areas of **software systems** development, use and maintenance, including the software aspects of **hardware design**.

The journal has a wide scope ranging from the many facets of methodological foundations to the details of technical issues and the aspects of industrial practice.

The subjects of interest to *SCP* cover the entire spectrum of methods for the entire life cycle of software systems, including

- Requirements, specification, design, validation, verification, coding, testing, maintenance, metrics and renovation of **software**;
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- **Programming** environments, development tools, visualisation and animation;
- Management of the development process;
- Human factors in software, software for social interaction, software for social computing;
- Cyber physical systems, and software for the interaction between the physical and the machine;
- Software aspects of infrastructure software, system administration and network management.

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1) The conceptual track is open for methodological, philosophical and sociological studies on all aspects of computer software production and usage, including ethics. Also short papers are allowed here, called viewpoints.

2) The formal track emphasizes the development and the pragmatic application of formal and semiformal techniques. **Submissions** which the **editors** consider mainly mathematical or theoretical in nature, with the preliminary consent of the authors, will formally be forwarded to the sister journal *TCS*.

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Reference to a website:

[4] Cancer Research UK, Cancer statistics reports for the UK. <http://www.cancerresearchuk.org/aboutcancer/statistics/cancerstatsreport/>, 2003 (accessed 13 March 2003).

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