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DESCRIPTION

Computer-Aided Design is a leading international journal that provides academia and industry with key papers on research and developments in the application of **computers** to **design**.

Computer-Aided Design invites papers reporting new research, as well as novel or particularly significant applications, within a wide range of topics, spanning all stages of design process from concept creation to manufacture and beyond. Examples of relevant topics include but are not limited to:

- Foundational theories, frameworks, methodologies, and standards
- Geometric and topological methods for shape and solid modeling
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- Virtual reality and prototyping methods
- Advanced support of manufacturing and downstream activities of product realization
- User interfaces, system interfaces and system interoperability
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- Design databases, knowledge repositories, object libraries and retrieval
- Modeling and design of multi-scale objects and systems
- Specific applications and significant benchmarks of computer-aided design
- Emergent issues of advanced design support
- Uncertainty and imprecision in computer-aided design

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Application papers: will describe complex and pioneering applications of CAD concepts, methods and tools in practice, present significant results that extend the disciplinary knowledge and/or analyze the application in a way that is likely to stimulate and influence further research.

Survey papers: will critically analyze the current state of knowledge in a given field of CAD, summarize and organize recent research results in a novel way, derive new insights and add understanding to working in the field, and propose possible topics, orientations and approaches for future research and development.

Technical notes: will respond to material published in the journal or closely related topics, repair a flaw in the definition and approach or stimulate further thinking, or provide additional technical details on a CAD theory, technology, methodology, product or application.

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GUIDE FOR AUTHORS

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