



ADVANCES IN ENGINEERING SOFTWARE

(including *Computing Systems in Engineering*)

AUTHOR INFORMATION PACK

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DESCRIPTION

The objective of this journal is to communicate recent and projected advances in **computer-based engineering** techniques. The fields covered include **mechanical, aerospace, civil** and **environmental engineering**, with an emphasis on research and development leading to practical problem-solving.

The scope of the journal includes:

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- Model and mesh generation
- Control of the accuracy, stability and efficiency of computational process
- Exploitation of new computing environments (eg distributed heterogeneous and collaborative computing)
- Advanced visualization techniques, virtual environments and prototyping
- Applications of AI, knowledge-based systems, computational intelligence, including fuzzy logic, neural networks and evolutionary computations
- Application of object-oriented technology to engineering problems
- Intelligent human computer interfaces
- Design automation, multidisciplinary design and optimization
- CAD, CAE and integrated process and product development systems
- Quality and reliability

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