



# 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:

- Innovative computational strategies and numerical algorithms for large-scale engineering problems
- Analysis and simulation techniques and systems
- 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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Related conferences are listed under 'Related publications'.

### IMPACT FACTOR

2018: 4.194 © Clarivate Analytics Journal Citation Reports 2019

## ABSTRACTING AND INDEXING

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Applied Mechanics Reviews  
Computing Reviews  
Web of Science  
Research Alert  
International Civil Engineering Abstracts  
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[3] Strunk Jr W, White EB. *The elements of style*. 4th ed. New York: Longman; 2000.

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Reference to a website:

[5] 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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[dataset] [6] Oguro M, Imahiro S, Saito S, Nakashizuka T. Mortality data for Japanese oak wilt disease and surrounding forest compositions, *Mendeley Data*, v1; 2015. <https://doi.org/10.17632/xwj98nb39r.1>.

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