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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
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- Exploitation of new computing environments (e.g., distributed heterogeneous and collaborative computing)
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- 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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