



Fault-Tolerant Computing

Guest Editors:

Prof. Israel Koren

Department of Electrical &
Computer Engineering, University
of Massachusetts, Amherst, MA
01003, USA

Prof. C. Mani Krishna

Department of Electrical &
Computer Engineering, University
of Massachusetts, Amherst, MA
01003, USA

Deadline for manuscript
submissions:

closed (31 December 2017)

Message from the Guest Editors

Dear Colleagues,

The open-access journal, *Algorithms*, will have a Special Issue devoted to research in fault-tolerant computing. Topics of interest include (but are not limited to) the following:

- Software fault tolerance.
- Processor (hardware) fault tolerance.
- Fault tolerance for embedded/cyber-physical applications.
- Temporal issues: Checkpointing.
- Network fault tolerance.
- Fault-tolerance in the face of thermal and energy constraints.
- Algorithm-based fault tolerance.
- Evaluation of fault-tolerant system dependability.
 - Modeling.
 - Simulation.
 - Experimental (fault injection).

Prof. Israel Koren

Prof. C. Mani Krishna

Guest Editors





Editor-in-Chief

Prof. Dr. Frank Werner

Faculty of Mathematics, Otto-
von-Guericke-University, P.O. Box
4120, D-39016 Magdeburg,
Germany

Message from the Editor-in-Chief

Algorithms are the very core of Computer Science. The whole area has been considered from quite different perspectives, having led to the development of many sub-communities: Complexity theory (limitations), approximation or parameterized algorithms (types of problems), geometric algorithms (subject area), metaheuristics, algorithm engineering, medical imaging (applications), indicates the range of perspectives. Our journal welcomes submissions written from any of these perspectives, so that it may become a forum for exchange of ideas between the corresponding scientific subcommunities.

Author Benefits

Open Access : free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [ESCI \(Web of Science\)](#), [Ei Compindex](#), and [other databases](#).

Journal Rank: [CiteScore - Q2 \(Numerical Analysis\)](#)

Contact Us

Algorithms Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/algorithms
algorithms@mdpi.com
[X@Algorithms_MDPI](https://twitter.com/Algorithms_MDPI)