



Algorithms for Human Action Recognition

Guest Editor:

Dr. Ming-Ching Chang

Department of Computer
Science, College of Engineering
and Applied Sciences, University
at Albany, New York, NY 12222,
USA

Deadline for manuscript
submissions:

closed (31 December 2018)

Message from the Guest Editor

Dear Colleagues,

We invite you to submit your latest research in the area of human action recognition to this Special Issue, “Algorithms for Human Action Recognition”. We are looking for innovative approaches for solving this emerging problem, as well as its applications in this fast-moving field.

Human action recognition is the process of identifying human actions within image sequences and determining the labels of the actions. This task is challenging due to the complex, fine-grained actions that human can perform in both space and time. Challenges also arise from the large variations in the motion, cluttered background, view angles, recording settings, human interaction, and the inter-personal variability of the actions. With the advances in low-cost sensors and sophisticated computational models such as the deep neural networks, reliable action recognition is now feasible. Robust solution to this problem have applications in visual surveillance, human behavior and activity understanding, video retrieval, robot assistance systems, and human–computer interactions.

Dr. Ming-Ching Chang
Guest Editor





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 Compendex](#), and [other databases](#).

Journal Rank: JCR - Q2 (Computer Science, Theory and Methods) / CiteScore - Q1 (Numerical Analysis)

Contact Us

Algorithms Editorial Office
MDPI, Grosspeteranlage 5
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)