

# Special Issue Call for Papers

## Paper Submission

Authors are encouraged to submit high-quality, original work that has neither appeared in, nor is under consideration by, other journals.

Springer offers authors, editors and reviewers of *Multimedia Tools and Applications* journal a web-enabled online manuscript submission and review system. Our online system offers authors the ability to track the review process of their manuscript.

Manuscripts should be submitted to: <http://MTAP.edmgr.com>. This online system offers easy and straightforward log-in and submission procedures, and supports a wide range of submission file formats.

## Important Dates

- Manuscript submission deadline: August 1, 2016
- First Notification: September 15, 2016
- Revision: November 1, 2016
- Final Decision: December 1, 2016
- Final Manuscript: December 20, 2016

# Computer-aided diagnosis by Multimedia Data

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Computer-aided diagnosis (CAD) is a procedure in medicine that helps physicians and radiologists to interpret medical images obtained from X-ray, MRI, CT, and ultrasound. Usually those imaging modalities produce too many information that manual interpretation is tedious and irreproducible. Therefore, there is a need to develop automatic CAD to process the medical multimedia data.

Currently, CAD systems are promising interdisciplinary technologies. It needs knowledge of image processing, machine vision, and pattern recognition. Success applications are, e.g., tumor detection in MR images, breast cancer detection in mammograms, lung cancer detection, etc.

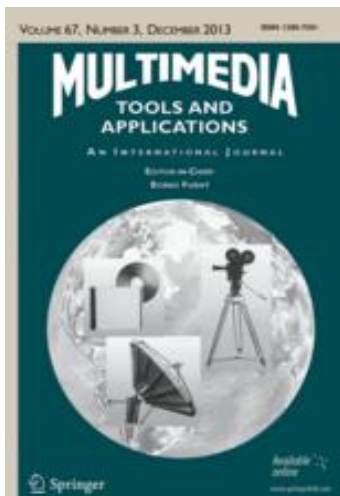
In this special issue, we would like to seek strong academic or technical submissions that employed multimedia data to develop CAD systems that can detect particular diseases in any part of the human body. The submissions should clearly demonstrate the evidence of benefits to patients.

**Topics of interest for the Special Issue include, but are not limited to:**

- Multimedia data indexing and retrieving
- Pathological brain detection by multimedia data
- Neurological and psychiatric diseases
- Breast cancer detection by multimedia data
- Colon cancer detection by multimedia data

All papers will be peer-reviewed following the *Multimedia Tools and Applications* reviewing procedures. Authors should prepare their manuscripts according to the online submission page of *Multimedia Tools and Applications* at [www.Springer.com/11042](http://www.Springer.com/11042)

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