

SUBMISSION DUE DATE: November 30, 2013

SPECIAL ISSUE ON Machine learning techniques for Medical Applications

International Journal of Medical Engineering and Informatics (IJMEI)

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INTRODUCTION

Machine Learning research has been extremely active the last few years.

The result is a large number of very accurate and efficient algorithms that are quite easy to use for a practitioner. It seems rewarding and almost mandatory for (computer) scientist and engineers to learn how and where Machine Learning can help to automate tasks or provide predictions where humans have difficulties to comprehend large amounts of data. The long list of examples where Machine Learning techniques were successfully applied includes: Text classification and categorization, network intrusion detection, Bioinformatics, brain computer interfacing, monitoring of electric appliances, optimization of hard disk caching strategies and disk spin-down prediction, drug discovery, high-energy physics particle classification, recognition of hand writing, natural scene analysis etc.

OBJECTIVE OF THE SPECIAL ISSUE

The objective of this special issue is to provide the latest advancements in the highly interdisciplinary research and development area of Machine Learning techniques in medical applications. This special issue focuses on major trends and challenges in this area, and it presents work aimed to identify new techniques. We are looking for original, high-quality submissions on innovative research and development in all aspects of Machine Learning.

RECOMMENDED TOPICS

The editors seek submissions on the following topics in Machine Learning, but are not limited to:

- Artificial Intelligence
- Complexity
- Computational Intelligence
- Computational biology
- Image Processing
- Robotics
- Recognition
- Bioinformatics
- Biomedical engineering
- Biometrics
- Expert systems
- Health care engineering
- Medical diagnosis
- Mobile computing
- Network security
- Data Mining
- Knowledge Representation
- Cognitive Computing

Submission procedure and guidelines

Researchers, Scientists and practitioners are invited to submit papers for this special issue on "Machine learning techniques: Trends and Applications" *on or before November 30, 2013*. All submissions must be original and may not be under review by another publication and one author (co-author) should not have multiple papers in an issue. INTERESTED AUTHORS SHOULD CONSULT THE JOURNAL'S GUIDELINES FOR MANUSCRIPT SUBMISSIONS at:

<http://www.inderscience.com/info/inauthors/index.php>

IMPORTANT DATES

Submission deadline: November 30, 2013

First decision notification: January 31, 2013

Submission of revised papers: February 28, 2014

Final decision notification: March 15, 2014

Publication: 2014

All submissions should be directed to the attention of:

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