Call for Papers

Wireless Personal Communications

Special Issue on Machine Learning for Big Data Processing in Mobile Internet

Aims and Scope

With the rapid development of internet, an increasing number of academic researches and industrial applications result in the appearance of massive multi-modal data from multiple sources. The most prominent example is the mobile internet, where increasingly more databases and data streams, such as image, audio, social media, are collected, transmitted, and analyzed. These big data collected from a mobile environment allow researchers to learn and understand significant characteristics that traditional data cannot provide. Hence, mobile big data bring us huge opportunities to understand our world more precisely as well as challenges to analyze, process, store, and transmit such massive amount of data. In order to analyze and understand mobile big data, the developments of related theories, frameworks, models, and algorithms become crucial. The scope of this special issue is to provide machine learning-based theoretical foundations and ground-breaking models and algorithms to solve this challenge.

Topics of Interest include

This special issue aims to disseminate contributions by leading world-wide researchers from academia and industry, show the latest research results in the field of machine learning for data processing in mobile internet, and submit articles to address the aspects range from case studies of particular problems to novel learning theories and approaches, including (but not limited to):

- Machine learning theory and methodology for mobile big data processing
- Pattern and feature learning in mobile big data
- Intelligent resource scheduling in heterogeneous mobile cloud computing
- Machine learning-driven visualization for mobile big data
- Infrastructure, platforms for mobile big data processing

Submission Guidelines

Original and unpublished contributions that must not currently be under review by another journal are solicited. All papers submitted to this Special Issue will undergo the review procedures of Wireless Personal Communications (WPC).

All manuscripts should be submitted through the WPC online manuscript central system (https://www.editorialmanager.com/wire/default.aspx). Authors should follow the manuscript format and submission procedure of Wireless Personal Communications Journal manuscript format described below at the Journal site:

http://www.springer.com/engineering/signals/journal/11277

Schedule

Deadline for submissions: July 30, 2017
Notification of acceptance: November 20, 2017
Final versions due: December 31, 2017
Tentative Publication Date: March 2018

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