

## **Special Session on Web Mining and Content Analytics Proposed in conjunction to SCDM 2018**

Web mining and content analytics continue to be among the fundamental techniques of data science for web due to its ability to extract knowledge from Web data, including Web documents, hyperlinks between documents, usage logs of web sites, etc. A wide range of applications of web mining and content analytics could benefit commercial and research such as recommendation system, sentiment analysis and predictive analytics. Integration of diverse data has posed interesting challenges for bridging structured and unstructured data such as algorithms for large scale content mining, visualization of web data, multi-lingual and cross-lingual analysis, question answering from the web, summarization of multimodal data which need to be solved due to their promising returns. It is indeed pertinent for the scientific community to address and explore the gaps in the existing solutions so that the potential of the web could be exploited to the maximum. The aim of this session is therefore to draw a picture of the recent advances and challenges in evolving Web mining and content analytics and particularly, aims at soliciting contributions dealing with real-world applications.

Topics for this session include, but are not limited to:

### Data science for web

- Fusion and analysis of structured and unstructured data
- Web Mining theories and applications
- Content mining of multimodal data
- Algorithms for large-scale content mining

### Language Technologies and the Web

- Semantic Web Technologies and Applications
- Learning representation and features from the web
- Algorithms for large-scale content mining
- Visualization of Web data

### Applications

- Predictive analytics over Web datasets
- Recommendation systems
- Event detection and monitoring
- Intention, sentiment and event analysis
- Topic discovery
- Other novel applications

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