Call for Papers
*IEEE Transaction on Computational Social Systems*
Special Issue on
**"Advances of Social Media Analytics for Behavioural Healthcare Systems: Theory, Methods and Applications"**

Significant advancements in the *Social Media Analytics* (SMA) have generated a large amount of opportunities for innovation in healthcare field. A promising trend in healthcare field appears that the SMA enabled technology has notably expanded the focuses of healthcare systems from traditional clinical, risk-based analytics to patient engagement related behaviour analytics. The successful utilization of SMA enabled technology in behaviour healthcare systems (BHS) will enable faster and safer behaviour monitoring and intervention delivery, optimal response to health behaviour trajectory, lower overall cost and enhanced sustainability. However, empowering the utility of SMA enabled technology in BHS is still significantly challenging in the area considering shortage of shortage of reliable behaviour change analysis model, efficient and accessible SMA tools, models and algorithms for processing multi-dimensionality and high volume of data generated, and high demand for interoperability. These above challenges grant a lot of opportunities to explore and investigate new concepts, algorithms and applications in SMA enabled BHS field.

The central theme of this special issue is on *the development and application of advanced Social Media Analytics for behavioural healthcare systems*, where current theories, approaches, applications to leverage technology to promote behaviour health, including social influence analysis, social networks analytic, security, trust and privacy of social data, and large-scale medial data analytics for behaviour healthcare applications are the focus areas, and broad aspects and issues will be well discussed.

Topics to be covered include, but are not limited to,
- Behaviour change and analysis model
- Technology and model of behavioural intervention development
- Evidenced-based approaches in behavioural health
- Social Media Analytics (SMA) technology for social emotional support
- Modelling on social fluency with big social networking data in behavioural healthcare
- User behaviour analysis social influence evaluation
- Influence propagation in large-scale social networks
- Emerging eHealth SMA Applications
- Social Media Analytics (SMA) technology for medication management and adherence
- Optimization of Healthcare Systems and Data Transmission
- Life-logging SMA and Technologies
- Data mining and exploration of SMA health data
- Standards and interoperability in SMA Healthcare
- Social Media Analytics (SMA) technology for Serious Mental Illness

**Important Dates**
Submission deadline: October 31, 2018
Completion of first round of reviews: December 31, 2018
Revised manuscript submission: January 31, 2019
Notification of final decision: March 31, 2019
Final manuscript submission: May 31, 2019

Paper should be submitted through https://mc.manuscriptcentral.com/tcss, with a cover letter that contains the statement: "This manuscript is being submitted to the Special Issue: **Advances of Social Media Analytics for Behavioural Healthcare Systems: Theory, Methods and Applications**". Please be sure to select the manuscript type "**Special Issue on Advances of Social Media Analytics for Behavioural Healthcare Systems**".

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