Mental Disorder Detection on Social Media

Special Issue of **IEEE Transactions on Computational Social Systems**

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Aims

With the increasing prevalence of social media usage, we are seeing more sophisticated techniques being developed to detect mental disorders through online behavioral patterns. The rapid growth of social media platforms and concepts such as sentiment analysis, behavioral modeling, and mental health monitoring systems introduces many new challenges to be addressed. On the technical side, we need to develop effective AI-driven technologies for identifying mental disorder signals from social media data. On the analysis side, we need to consider issues such as behavioral patterns, linguistic markers, and temporal dynamics of user activities. In this special issue, our focus will be on the technical approaches for mental disorder detection, although other issues related to data mining and machine learning applications in mental health analysis may also be considered.

Topics

In this special issue, we call for original papers describing novel knowledge and data mining techniques that support mental health disorder detection on social media. Preference will be given to papers that integrate psychological theories with machine learning approaches. Areas of interests include, but are not limited to:

- Natural language processing for mental health text analysis
- Machine learning models for early detection of mental health disorders
- Emotion recognition and sentiment analysis in social media posts
- Behavioral pattern analysis and temporal modeling of user activities on social media
- Privacy-preserving techniques for mental health data mining
- Multi-modal analysis combining text, user behavior, and temporal features of users with mental disorder

Submission

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Schedule

Deadline for paper submission:	**December 1, 2025**
Completion of the first review:	**January 1, 2026**
Minor/Major revision due (first round):	**January 15, 2026**
Completion of the second round of reviews:	**February 1, 2026**
Minor revision due (second round):	**February 15, 2026**
Final decision notification:	**February 25, 2026**
Publication materials due:	**March 2026**
Publication date:	**April 2026**

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