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ACM Transactions on the Web

Special Issue on Advances in Social Media Technologies and Analysis

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The diffusion of Online Social Networks and Media platforms (OSNs) has had a profound effect on the way we interact and a deep impact on society and business. OSNs have helped people to communicate, breaking down the geographical barriers that restricted communication. Through OSNs, virtual communication, sharing of information, and community participation are possible even among people in uncomfortable conditions. Today, OSNs are one of the main parts of daily life by affecting sociality, but they are also essential channels through which information travels faster than ever. The design and analysis of OSNs play a crucial role in helping to foresee events and manage critical scenarios.

Topics

The rapid growth in popularity of OSNs has opened new challenging problems involving numerous computer science fields. These issues have implications for social graph analysis, trust and security, and so on. Moreover, privacy issues and the usage of mobile devices have opened new research fields in the design of decentralized online social networks, which can be considered one of the most important challenges. Furthermore, the current improvement concerning the study and the proposal of new approaches for OSNs involves not only complex network analysis, and, in particular, the decentralization of social services, but also the introduction of innovative technologies such as Artificial Intelligence and Virtual/Mixed Reality to ferry humankind towards the next generation Online Social Networks. In particular, the metaverse is playing a crucial role in this new generation of hyperconnected, gamified, and immersive social networking platforms, and as a consequence the introduction of decentralization in social platforms, thanks to blockchain technology, but in particular through the Web3 and NFTs, as part of the Metaverse world.

This Special Issue on "Advances in Social Media Technologies and Analysis" aims to collect research contributions, applications, methodologies, and strategies that improve social media analysis and technology. We hope that this Special Issue will contribute to raising awareness about new proposals and the impact of new technologies on social media.

Potential topics include but are not limited to the following:

- Social Networks Design and Analysis
- Security, Trust, and Privacy in Social Networks and Media
- Decentralized Social Networking applications: P2P, Cloud, and Mobile
- Blockchain Social Media: Analysis and Applications
- Web 3.0 oriented Social Media
- Social Sensing and Sentiment Analysis
- Information diffusion
- Incentive systems for OSNs
- Metaverse
- Virtual/Mixed Reality for the Metaverse
- Data Mining for OSNs and Media

- Dynamic Network Analysis in OSNs
- AI for OSNs and Media
- Social Dynamics
- Accessibility for Web and Media
- Mobility Data and Analysis for Social Media
- Ethics in Social Media

Important Dates

- Submissions deadline: December 30, 2023
- First-round review decisions: March 30, 2024
- Deadline for revision submissions: May 30, 2024
- Notification of final decisions: July 15, 2024
- Tentative publication: Q4 2024

Submission Information

Submitting authors should follow the Style and Author Guidelines for regular TWEB submissions available at <u>https://dl.acm.org/journal/tweb/author-guidelines</u>. Please submit manuscripts via Manuscript Central, <u>https://mc.manuscriptcentral.com/tweb</u>.

Submissions are encouraged be accompanied by a cover letter that: (1) confirms that the manuscript is not currently under submission at another journal or conference; (2) confirms that the manuscript is substantially different from any previously published work; (3) confirms that none of the co-authors is a guest editor for this special issue; and (4) discloses any conflicts of interest with the guest editors.

For questions and further information, please contact guidi@di.unipi.it