Dramatic spread of online social network services such as Facebook, Twitter, Instagram and Google+ has led to an increasing awareness of the power of incorporating social elements into a variety of data-centric applications. These applications, in recent years, apply various sensors with social media platforms to continuously collect massive data which can be directly associated with human interactions. This phenomenon has led to the creation of numerous social sensing systems such as Biketastic, BikeNet, CarTel and Pier, which use social sensors (i.e., users) for a variety of social sensing systems and applications. Social sensing has become an emerging and promising sensing paradigm that relies on the voluntary cooperation of users equipped with embedded or integrated sensors.

The privacy issue, considering the above-mentioned situation, may become one of the most paramount concerns to ensure the long-term success of social sensing systems. Most of existing approaches are designed for a specific case and/or scenario. A systematical privacy computing model is urgently needed to quantitively capture and evaluate the privacy protection solution, the motivation of privacy disclosure, and so on. This systematical study of privacy issues is particularly important for social sensing systems in order to e.g. quantitively unveil the reasons for increasing privacy disclosure.

This special issue is devoted to the most recent developments and research outcomes addressing the related theoretical and practical aspects on social sensing and privacy computing in intelligent social systems, and it also aims to provide worldwide researchers and practitioners an ideal platform to innovate new solutions targeting at the corresponding key challenges.

Topics to be covered include, but are not limited to,

- Exploitation of social media as sensing sources
- Ubiquitous, mobile and pervasive crowd-sensing
- Participatory sensing
- Urban/smart city sensing
- Information and coding theory for social sensing systems
- Information processing and knowledge discovery from social and sensor data
- Data reliability on social media
- Fake news/source detection and rumor localization in social media
- Crowdsourcing and collective intelligence for social systems
- CPS/IoT sensing with human-in-the-loop
- Other issues related to various social computing applications and case studies
- Privacy, security, and ethics of intelligent computational social systems
- Privacy and accountability in social sensing
- Big data privacy model in social sensing
- Privacy-preserving social sensing and social data publishing
- Privacy information retrieval in social sensing
- Privacy disclosure and other issues in social sensing
• Privacy correlation in social sensing
• Privacy aware scheduling in social sensing
• Auditing in intelligent computational social systems
• Privacy in social data integration and transformation
• Privacy in social data storage management
• Privacy in social data mining and analytics
• Privacy in social data sharing and visualization
• Privacy in social sensing big data applications and services

**Important Dates**
Submission deadline: June 30th, 2019
Notification of decision: August 31st, 2019
Final manuscript submission: September 30th, 2019

**Submission Guidance**
Preparation of manuscripts should refer to the guidelines in the “Author Information” on the IEEE Transactions on Computational Social Systems website:
http://www.ieeesmc.org/publications/transactions-on-computational-social-systems/call-for-papers-and-special-issues
Papers 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: Social sensing and privacy computing in intelligent social systems”. Please be sure to select the manuscript type “Social sensing and privacy computing in intelligent social systems”.

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