Call for Paper

Journal of Medical Imaging and Health Informatics

Special issue on

Evolution of Social Media in Mobile Healthcare

The increasing utility of social media is a continuous improvisation to take the benefits of information sharing and connectivity among individuals. The evolution of social media, over time, has proved itself significant to be used as a tool for information sharing, acquisition and decision making and its role is increasing in the diversified fields like mobile healthcare, and education. The integration of the mobile application with social media provide ease of use, robustness, efficiency, reliability, resilience, and adaptability. Furthermore, in the domains like healthcare, education and mobile computing the evolution of social media has resulted in gaining considerable advantages that include, reliable information sharing, effective learning, speedy information dissemination, automated decision making, and personality assessment. However, despite the advantages the social media and mobile computing platforms are vulnerable to number of security and privacy issues. Socially integrated mobile healthcare applications use wireless sensors to gather patient data which orients some vulnerabilities which can be categorized as: privacy, security and legal issues, and active and passive attacks. The attackers can cause much harm to the process by malicious attempts such as data modification, impersonation, eavesdropping and replaying. The primary purpose of these attacks is to steal the patient's data, which is not only valuable but also private and sensitive. In some cases, implanted devices are used to administer drugs (such as insulin), and attacks could lead to serious outcomes for the patient if the administration of drugs is compromised. If the security issues with the healthcare applications are not resolved in a timely fashion, the impact may be catastrophic and may also cause the rise of socio-technical problems. Other mobile computing applications may also conceive further problems depending on the nature of the application.

This special issue is focused to identify the advancements, gains, threats and weaknesses in socially integrated mobile healthcare applications. Original contributions are sought in the following areas. The areas of interest include but not limited the following:

- Advancements in social integration of mobile healthcare applications
- Mobile decision support systems
- Vulnerabilities of socially integrated healthcare applications
- Role of Social media education in healthcare
- Security and privacy challenges in mobile information systems
- Healthcare application architecture in cloud environment
- Efficient data management for mobile healthcare management
- Healthcare application and social integration architecture in multi-cloud environment
- Healthcare application design challenges across multi-platform social integration
- Security, trust, and privacy in mobile healthcare applications
- Social impact of mobile healthcare services-community perspective.

Submission Guidelines:

All manuscripts must be submitted via mstracker.com and authors are request to <u>write in their cover letter that their submission is for this special issue and the name of the guest editor</u>, so that the guest editor can be notified separately. Guidelines for preparation of the manuscripts are available at the journal website http://www.aspbs.com/jmihi/inst-auth_jmihi.htm.

Prospective authors should submit an electronic copy of their complete manuscript through the journal Manuscript Tracking System at http://mstracker.com/submit1.php?jc=jmihi.

Submission Schedule:

- Paper Submission: 10th October, 2016
- Decision Notification: 10th Jan. 2017
- Camera Ready Submission: 30th May 2017
- Special issue Publication: Dec. 2017.

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