

EDITORIAL PREFACE

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This issue marks the completion of sixth year existence of IJSSE by featuring three interesting papers from three different topics in secure software engineering. The first paper by El-Attar proposes an authoring structure that is designed to improve structural consistency during the development and evolution of quality unified use-misuse case model. The paper has also developed an automation support for this structure. In addition, it demonstrates the feasibility and application of the proposed structure. The second paper by Rjaibi and Rabai presents a standard, unified and hierarchical taxonomy of security requirements. The proposed taxonomy is used to optimize quantification using the mean failure cost (MFC) model metric by reducing the redundancy and increasing accuracy in estimating the security requirements. Dadkhah and Shamshirband in the third paper identify a new type of web vulnerability called remote installation vulnerability that renders content management systems and websites exploitable to cyber attacks. It also provides a strategy to tackle this vulnerability.

The journal has featured many topics ranging from security requirements to vulnerabilities of software since its inception in 2010. It is yet to publish papers in the areas of secure cloud computing, secure pervasive systems such as smart city, ubiquitous systems, big data analysis, etc. Research reports on secure smart environments, secure processing and analysis of big data are underrepresented in IJSSE. In a pervasive system, a large number of heterogeneous smart devices are connected and deployed to provide seamless services to users using various advanced technologies, particularly wireless technologies, the Internet, and cloud computing. Pervasive systems will soon become a trend for our future life styles. The underlying software that facilitates all different types of smart systems to communicate in order to deliver various functionalities, needs to be secure, otherwise, the smart devices deployed around our daily activities and environment would malfunction and ultimately might result in catastrophic events.

IJSSE is very much looking forward to receiving submissions around these areas.

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