Editorial Preface

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This issue concludes the five years of existence of the International Journal of Secure Software Engineering (IJSSE). Since its inception in 2009, IJSSE has showcased a number of special issues along with regular issues. The lineup of papers published so far suggests that IJSSE has been quite successful in attracting a sizeable number of papers with good standing. Some notable researchers in the field have been interested in this journal, and eventually submitted their manuscripts to IJSSE. This is quite encouraging.

This issue showcases three interesting papers. The first paper by Takanori Kobashi and colleagues from Japan proposes an approach to validate security patterns using model testing. The approach provides extended security patterns and a new model testing process using these patterns. The proposed method can validate the security patterns applied and assess if these vulnerabilities are resolved. The second paper by Annette Tetmeyer and colleagues from USA presents a technique for eliciting, analyzing, prioritizing and developing security requirements which can be integrated into existing software development lifecycles. The approach is based on identifying candidate security goals using part of speech (POS) tagging, categorizing security goals based on canonical security definitions, and understanding the stakeholder goals to develop preliminary security requirements and to prioritize them. The paper uses a case study to demonstrate the feasibility and effectiveness of the approach. The final paper by Michael Felderer and his colleagues from Europe presents the state of the art on evolution of security requirements, security architectures, secure code, security tests, security models, and security risks as well as security monitoring. For each of these artifacts the paper provides an overview of evolution and security aspects and discusses the state of the art on their security evolution in detail.

To go forward, this journal needs your submission. It is important that researchers continue submitting their manuscripts to IJSSE. I encourage you all to submit proposals for special issue on topics that interest you most in the area of secure software engineering. IJSSE still maintains its tradition for completing the review process of manuscripts within 6-8 weeks time frame.

Khaled M. Khan
Editor-in-Chief
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