# Journal of Telecommunication, Electronic and Computer Engineering (JTEC)

# Special Issue on Software Engineering

## PREFACE

The Tenth Malaysian Software Engineering Conference (MySEC 2017) was hosted by Universiti Malaysia Terengganu from 7th to 9th August 2017 with the theme "Empowering Software Engineering towards IoT". The series of MySEC with the strong support from Malaysian Software Engineering Interest Group (MySEIG) provides an avenue for academicians, researchers, and practitioners mainly in Malaysia to converge and share ideas in software engineering research and practice including technologies in software applications. In total, MySEC 2017 accepted 101 peer-reviewed papers from 130 submissions. The authors come from 19 countries with the papers covering nine main themes in software engineering field. The research themes, among others, intelligent software engineering comprises 16 papers followed by 12 papers in software process and quality, and 11 papers in software development methods, 10 papers in web-based software engineering; and in software metrics and measurement, respectively.

The highest submission in intelligent software engineering theme highlights the role of soft computing mainly artificial intelligence in supporting software engineering and software development that is in tandem with the needs of multi-dimensions perspectives in complex and challenging era of Industry 4.0 towards the application of Internet of Thing (IoT). For example, the works by A. Hatami et al. entitled "Hybrid Real-Time Task Scheduling Algorithm in Overload Situation for Multiprocessor System" and Masita Abdul Jalil et al. entitled "Utilizing Path Finding Algorithm for Secured Path Identification in Situational Crime Prevention" reflect the integration of intelligence elements to solve problems that rely on both software and physical devices with network connectivity that allow various objects to connect and exchange data. However, most works still focus on the use of artificial intelligence in solving the problems related to software and applications besides the specific problems in software development phases such as the paper entitled "Detecting Ambiguity in Requirements Analysis Using Mamdani Fuzzy Inference" by Jacline Sudah Sinpang et al. that focuses on requirements phase.

The growing number of works in software process and quality implies the encouraging trend in producing high quality software mainly among the researchers. For instance, the works by Aziz Nanthaamornphong and Thanyarat Kitpanich entitled "The Study of Code Reviews Based on Software Maintainability in Open Source Projects" and Syahrul Fahmi et al. with the paper entitled "A Model for People-Centric Software Configuration Management" highlight the issues in maintainability and configuration management respectively that contribute to software quality. Two works under software development methods entitled "Evaluation Model to Access the Effectiveness of Coordination Processes in Global Software Development Projects: A Roadmap" by Anusuyah Subbarao and Mohd Naz'ri Mahrin; and the paper entitled "Morphological Approach in Creative Requirements Elicitation from Crowdsourcing" by Sa'adah Hassan et al. reflect the needs in creative and innovative ways in software development. Briefly, MySEC 2017 has given the insight on the need to increase more software engineering researches towards IoT through future series of MySEC.

Chief Guest Editor:
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