

WICT14: December 2014, Malaysia
Requirements Engineering

Symposium title: Requirements Engineering

Rationale of the need and objective of the symposium:

Requirements engineering (RE) is the art and science that concerned with discovering, understanding, formulating, analyzing, agreeing, documenting and evaluating *what* problems should be solved. RE provides a coordinated set of activities to be adapted in order to produce quality requirements and therefore successful system development. The impact of successful RE can no longer be ignored. There is a growing understanding that the role of the requirements engineer is essentially self-contained and comprises a series of demanding activities.

Recent surveys have confirmed the growing recognition of RE as an area of utmost importance in software engineering research and practice. In addition, software requirements have been repeatedly recognized during the past 30 years to be a real problem. It is observed that inadequate, inconsistent, incomplete, or ambiguous requirements are numerous and have a critical impact on the quality of the resulting software. Noting this for different kinds of projects, it is agreed that the requirements for a system do not arise naturally; instead, they need to be engineered and have continuing review and revision.

The objectives are as below:

- To present and discuss the most recent innovations and experiences in the field of RE.
- To provide a platform for academia and practitioners to exchange ideas and to discuss challenging research issues in RE.

Specific topics of interest

Recommended topics include but are not limited to the following:

- Requirements elicitation, analysis and documentation
- Requirements management
- Requirements prioritization and negotiation
- Requirements validation and formal method
- Requirements modeling
- Tools support for requirements engineering
- Empirical studies, measurement and prediction
- Requirements engineering education
- Mapping requirements to business goals, architecture and testing
- Requirements traceability
- Requirements quality assurance
- Global Requirements Engineering

Program committee

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