Message from the Chairs

Welcome to the 5th International Workshop on Requirements Patterns (RePa 2015), held in conjunction with RE 2015 in Ottawa, Canada, on August 25, 2015.

Getting requirements right is critical to the success of any software development project, and yet oftentimes challenging and in need of a large amount of knowledge and experience. The RePa Workshop Series aims to serve as an open forum for researchers and practitioners to exchange ideas and experience on patterns of engineering processes and products related to software requirements. RePa 2015 has a theme focused on the reusability aspect of requirements patterns with the overall objectives of:

1. Soliciting patterns that capture knowledge and best practices of RE processes and products;
2. Promoting the development of tools and processes to support pattern-based reuse;
3. Sharing case studies and examples, which promote and validate requirements patterns.

The accepted papers are organized three sessions. One includes papers related to requirements and software engineering patterns. The other two are related to Non-Functional Requirements (NFRs) patterns, which include patterns related to the non-functional aspects of early- and late-phase of requirements engineering that include social and organizational concerns. Two of the papers adopt the NFR Pattern approach that defines a method for capturing, organizing and reusing NFRs. For this reason, the program also includes a demonstration of the NFR Pattern Assistant tool that implements the method. More specifically, the program is as follows:

**Session 1: Requirements and Software Engineering Patterns**
- Ordering Interrogative Questions for Effective Requirements Engineering – the W6H Pattern
  *Mujahid Sultan and Andriy Miranskyy*
- Patterns of Co-evolution between Requirements and Source Code
  *Mona Rahimi and Jane Cleland-Huang*

**Session 2: NFRs Patterns I**
- Reusing Knowledge on Delivering Privacy and Transparency Together
  *Olena Zinovatna and Luiz Marcio Cysneiros*
- Building Social Sustainability into Software: Case of Equality
  *Maryam Al Hinai and Ruzanna Chitchyan*
- HAZOP-based Approach to Patterns Identification for Non-functional Requirements
  *Sylwia Kopczynska and Jerzy Nawrocki*
Session 3: NFRs Patterns II and Tool Demo

- Using Correctness, Consistency and Completeness Patterns for Automated Scenarios Verification
  Edgar Sarmiento, Julio Leite and Eduardo Almentero

- Cataloguing Provenance-Awareness with Patterns
  André Luiz De Castro Leal, José Luis Braga and Sergio Manuel Serra Da Cruz

- Tool Demo: NFR Pattern Assistant
  Sam Supakkul and Lawrence Chung

Session 4: Open Discussion on Requirements Patterns and Reusability

In this session the chairs will summarize the presentations and discussions and will open for the audience and the authors to express their opinions regarding the future of requirements pattern research. The chairs will also try to promote collaboration among attendees, together with the initiative of having a common repository (The RE Patterns Wiki) for sharing ideas and patterns.

Acknowledgement

We would like to thank the Program Committee members, all of which have kindly served in multiple editions of this workshop series. Lastly, we would like thank the authors for contributing the papers to represent some of the current work in this area serving as the basis for the discussion and making RePa 2015 Workshop possible.

Julio Cesar Leite, Sam Supakkul, Liping Zhao, and Lawrence Chung
RePa 2015 Co-Chairs
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