



## Third International Workshop on Artificial Intelligence for Requirements Engineering (AIRE'16)

Theme: *Quality improvement through Automatic Methods*

### AIRE Overview

The purpose of this workshop is to explore synergies between Artificial Intelligence (AI) and Requirements Engineering (RE) to improve requirements quality. AIRE aims to strengthen the links between the community, including industry and academia. We welcome submissions in the intersection between RE and AI. The topics of interest include but are not limited to:

- RE quality models and their automation
- Natural language processing and comprehension
- Machine learning techniques including supervised, unsupervised, and machine-human interactions
- Reasoning about uncertainties and ambiguities
- Reasoning techniques
- Knowledge acquisition and representation
- Agent based solutions
- Problem solving and decision making support mechanisms
- Optimization techniques
- Automated approaches for prioritization

### Theme of AIRE'16

The theme of this third edition of the AIRE workshop is discussing how AI techniques can improve **Quality in RE** — one of the grand challenges that were identified in AIRE'15. Papers have to explicitly address the following points at least in the discussion/ conclusion section:

1. the authors' understanding of RE quality, as well as the quality criteria they wish to improve,
2. the automation technique they apply and how this improves the aforementioned criteria, and
3. how the approach is applied/can be applied in practice, or, if the paper discusses no applicable approach, how industry can benefit from the created knowledge.

### Organizers

Henning Femmer, TU München, Germany  
Fabiano Dalpiaz, Utrecht University, Netherlands  
Jin Guo, DePaul University, USA

### Program Committee

Nelly Bencomo, Aston University  
Alexander Borgida, Rutgers University  
Jane Cleland-Huang, DePaul University  
Neil A. Ernst, Software Engineering Institute  
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#### Key Dates

Abstract Submission	Monday, June 13, 2016
Paper Submission	Monday, June 20, 2016
Paper Notification	Friday, July 8, 2016
Camera Ready Due	Sunday, July 24, 2016
Workshop	Monday, September 12, 2016



AIRE'16 is co-located with the 24th IEEE International Requirements Engineering Conference (RE 2016) in Beijing, China.