Fifth International Workshop on Artificial Intelligence for Requirements Engineering (AIRE'18)

with special focus topic CrowdRE

AIRE Overview

This workshop explores synergies between artificial intelligence (AI) and Requirements Engineering (RE) so that complex RE problems, such as quality defects, can be addressed through AI techniques. CrowdRE stimulates, collects, and analyzes crowd-generated data with AI techniques to derive requirements. AIRE aims to strengthen the links in 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

We especially invite approaches that address specific challenges of the focal topic of CrowdRE, including:

- Crowd-based monitoring and usage mining approaches
- Application scenarios of CrowdRE using AI technology
- Automatic approaches to motivate, steer, and boost creativity towards requirements elicitation and validation
- Platforms and tools supporting CrowdRE through mining
- AI and human computation

Contribution Types

The workshop solicits two contribution types:

- **Research papers** (max. 7 pages). These papers should describe ongoing research, in terms of automating RE tasks supporting RE tasks by AI techniques, improvements of existing approaches, as well as empirical studies and experience reports (e.g., of applied work in industry).
- **Position papers** (max 3 pages). These papers serve to foster discussion on hot, relevant topics in the field, as well as problem statements explaining problems in industrial settings.

In both cases, papers will be peer-reviewed and accepted papers will appear in the IEEE digital library.

Contact

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Organizers

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Key Dates

Abstract Submission	Tuesday, June 5, 2018 AoE
Paper Submission	Tuesday, June 12, 2018 AoE
Paper Notification	Friday, July 6, 2018
Camera Ready Due	Tuesday, July 17, 2018 AoE
Workshop	August 21, 2018

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AIRE'18 is co-located with the 26th IEEE International Requirements Engineering Conference (RE 2018) in Banff, Canada.