Welcome to the 5th International Workshop on Artificial Intelligence for Requirements Engineering (AIRE’18)

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We would like to welcome you to the 5th International Workshop on Artificial Intelligence for Requirements Engineering (AIRE’18). This interdisciplinary workshop is intended to explore and extend the synergies between Artificial Intelligence and Requirements Engineering. Our objective is to discover Requirements Engineering areas that may benefit from the application of AI tools and techniques. We intend to inspire a new and broad community for interdisciplinary discussions concerning novel research directions for Requirements Engineering and Artificial Intelligence.

This year, we received 19 submissions of which we finally accepted 8 for presentation at the workshop. These 8 accepted submissions got positive review scores from all 3 reviewers. The high quality of submissions are a sign of a healthy research community and the selected papers lead to a stimulating program, which also includes technical presentations and two keynotes by Prof. Lionel Briand entitled “Analyzing Natural-Language Requirements: Industrial needs and scalable solutions” and Prof. Brian Fitzgerald entitled “Crowdsourcing Software Development: Silver Bullet or Lead Balloon”. We hope that you will enjoy the AIRE’18 workshop.

A focal topic of this fifth edition of the workshop is the use of AI techniques for stimulating, collecting, and analyzing crowd-generated data to derive requirements, a process commonly known as CrowdRE. The recent CrowdRE workshop series, collocated with the RE conference, has shown that crowd-generated data provide great potential and challenges for AI techniques and automation, and that the research being performed in the fields of AIRE and CrowdRE is highly compatible.

In the days where AI is gaining prominence in our daily lives, the RE community cannot neglect the benefit that AI techniques can deliver to the practice of requirements engineering. We look forward to seeing you all at this workshop and the following editions.

We are very grateful to the Program Committee members and authors of the submissions for their hard work and dedication in putting together this program. We would like to thank you all for your participation in AIRE 2018. We hope that you find this workshop fruitful and inspiring.

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