Welcome to the First International Workshop on Artificial Intelligence for Requirements Engineering (AIRE 2014)

We would like to take this opportunity to welcome you to the First International Workshop on Artificial Intelligence for Requirements Engineering (AIRE 2014). We aim to hold an interdisciplinary workshop in which the synergies between Artificial Intelligence and Requirements Engineering are explored and extended. Our objectives are to identify complex Requirements Engineering (RE) problems that could benefit from the application of AI techniques, explore initial solutions, and to promote a new and broad community for interdisciplinary discussions concerning novel research directions.

As a general domain, RE encompasses people-centric activities such as elicitation, analysis, and prioritization, as well as highly technical activities which require concise, and sometimes formal, specifications of the desired system to be constructed and validated. A quick analysis of the literature shows examples of AI applied to many of these different areas. Our initial call for papers for this workshop has therefore included a broad range of topics covering knowledge acquisition and representation, reasoning and machine learning techniques, problem solving and decision support mechanisms, natural language processing, requirements analytics, ambiguity analysis, and optimization techniques. The AIRE workshop will provide a platform for discussing the synergies between AI and these RE topics and also will help raise awareness of this work across the wider community.

We received a total of seventeen submissions. Each submission was reviewed by three members of the programme committee, and as a result, we accepted 7 full papers, 1 short paper, and 1 poster. Our program will include presentations on the application of AI to ambiguity detection, goal modelling and analysis, requirements recommendation, and ontology verification. In addition we will look at AI tools and the application of AI for supporting RE in an industrial setting. Consequently we have an inspiring programme which is indicative of the momentum in the Requirements Engineering community behind the AIRE workshop.

We are very grateful to the Program Committee members and authors of the submissions for their hard work and dedication in putting together this programme. We would like to thank you all for your participation in AIRE 2014. We hope that you find this workshop fruitful, inspiring, and enjoyable.

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Jane Cleland-Huang
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AIRE 2014 Organization

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