

Preface: The 6th International Workshop on Requirements Engineering for Artificial Intelligence (RE4AI'25)

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1. Preface

It is our pleasure to welcome you to the sixth edition of the International Workshop on Requirements Engineering for Artificial Intelligence (RE4AI'25), held in conjunction with the 31st Working Conference on Requirements Engineering (REFSQ 2025), in the city of Barcelona, Spain. RE4AI aims to provide a forum for discussing how Requirements Engineering methods, techniques and tools may be used to support the development of Artificial Intelligence systems that are lawful, ethical and robust.

Workshop Format: Based on feedback from the previous edition of this workshop, we decided on an invited presentation-based workshop, proposing sessions with the presentation of talks by invited speakers. Many of these speakers are the authors of RE4AI papers in REFSQ, current or past editions, i.e., researchers who have been busy with the development of work in this area. Others have been invited due to the recognition that they too develop relevant research in the area, or have been past invited speakers at the workshop. We invited speakers to elaborate on their experience with RE4AI, including a consideration of questions like: What is the role of RE in engineering AI-based systems?¹ Are RE foundational concepts and theory still useful?² As RE researchers, what can we learn from AI applications in different domains, such as autonomous vehicles, or social media - e.g. chatGPT, or other real projects you are involved in? How is/will RE integrate with policies and standards such as the EU AI Act³?

Workshop Program: The workshop held invited talks in two sessions. Each talk was given roughly thirty minutes for both presentation and discussion. We were delighted to attract prominent RE for AI researchers from several countries and universities, with diverse experiences and opinions.

The workshop had invited speakers from academia and industry, including Xavier Franch from the Universitat Politècnica de Catalunya, Sallam Abualhaija - University of Luxembourg, Beatriz Cabrero-Daniel from Chalmers and the University of Gothenburg, Simon Jimenez from storywi.se, and finally additional researchers from Chalmers and the University of Gothenburg.

We deeply thank the presenters for speaking at RE4AI'25. We finally thank the REFSQ'25 workshop chairs, PC chairs and the organizing committee for their trust and support. And please stay tuned for the next editions of RE4AI.

A. Hess, A. Susi, E. C. Groen, M. Ruiz, M. Abbas, F. B. Aydemir, M. Daneva, R. Guizzardi, J. Gulden, A. Herrmann, J. Horkoff, S. Kopczyńska, P. Mennig, M. Oriol Hilari, E. Paja, A. Perini, A. Rachmann, K. Schneider, L. Semini, P. Spoletini, A. Vogelsang. *Joint Proceedings of REFSQ-2025 Workshops, Doctoral Symposium, Posters & Tools Track, and Education and Training Track. Co-located with REFSQ 2025. Barcelona, Spain, April 7, 2025*

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¹See ideas proposed in IEEE SW - doi 10.1109/MS.2022.3196205 "Can RE Help Better Prepare Industrial AI for Commercial Scale?" By Boris Scharinger, Markus Borg, Andreas Vogelsang, and Thomas Olsson

²See "point/counterpoint" discussion provided by Mary Shaw and Liming Zhu - doi 10.1109/MS.2022.3203200 - "Can Software Engineering Harness the Benefits of Advanced AI?"

³<https://digital-strategy.ec.europa.eu/en/policies/regulatory-framework-ai>