2025 IEEE/ACM Workshop on Multi-disciplinary, Open, and RElevant Requirements Engineering (MO2RE) | 979-8-3315-1464-8/25/$31.00 ©2025 IEEE | DOI: 10.1109/MO2RE66661.2025.00005

Foreword to the 2nd Workshop on **M**ulti-disciplinary, **O**pen, and Integ**R**at**E**d **R**equirements **E**ngineering (`MO2RE'25`)

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I. Introduction

Requirements engineering (RE) is a critical sub-field of software engineering (SE) that deals with identifying, specifying, modeling, analyzing, and validating the needs of stakeholders and constraints of a system [1]. RE covers human-related aspects, as stakeholders need to be involved in eliciting and validating the requirements, as well as more technical aspects, as requirements can be systematically collected (e.g., from app reviews) using data mining techniques and analyzed with natural language processing (NLP) approaches, e.g., to identify quality issues or trace links [2].

RE is increasingly fundamental in coping with the current state of SE, especially considering the recent disruptive changes in artificial intelligence (AI) and NLP caused by large language models (LLMs) and their applications, of which ChatGPT is a notable example. Given the increasing pervasiveness of AI-based systems in our daily life, there is an increasing need for RE techniques to support sound and structured development of AI systems [3], with a particular interest in explainability, interpretability, reliability, fairness, and other ethical concerns [4]. At the same time, current developments in AI can solve long-standing RE problems, such as automatic requirements tracing, completeness checking, and modeling. AI can further create better connections between RE and other automated SE fields.

The 2nd International Workshop on Multi-disciplinary, Open, and IntegRatEd RE (`MO2RE`) aims at highlighting the multiple facets of RE, clarifying its role within the software development process, and bringing together the broader SE community where RE is involved, e.g., RE and testing. `MO2RE` is envisioned as a shared place to gather the SE community around RE as a central topic. `MO2RE` will also host contributions from areas closely related to RE, such as modeling and system architecture. To learn more about the workshop, please visit our website: https://mo2re.github.io/. Information on the first edition of `MO2RE` [5] is also available online,

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II. Selected Papers

We have received seven submissions. Each was independently reviewed by three program committee members, and finally, four research papers were accepted. The papers to appear are as follows:

- "*On the Automated Generation of UI for Template-based Requirements Specification*", by Ikram Darif, Ghizlane El Boussaidi and Sègla Kpodjedo.
- "*A Taxonomy of Real-World Defeaters in Safety Assurance Cases*", by Usman Gohar, Michael C. Hunter, Myra B. Cohen and Robyn R. Lutz.
- "*Untangling Shared Phenomena for Improving Analysis of Normative Requirements*", by Junwei Quan, Lina Marsso, Dalal Alrajeh and Marsha Chechik.
- "*Exploring Large Language Models for Requirements on String Values*", by Aren A. Babikian, Boqi Chen and Gunter Mussbacher.

III. Program Committee

- Muhammad Abbas, RISE Research Institutes of Sweden (Sweden)
- Fatma Başak Aydemir, Utrecht University (The Netherlands)
- Dan Berry, University of Waterloo (Canada)
- Travis Breaux, Carnegie Mellon University (USA)
- Ruzanna Chitchyan, University of Bristol (UK)
- Julian Frattini, Blekinge Institute of Technology (Sweden)
- Jameleddine Hassine, KFUPM (KSA)
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- Xiaoli Lian, Beihang University (China)
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- Gunter Mussbacher, McGill University (Canada)
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- Nyyti Saarimäki, University of Luxembourg (Luxembourg)
- Nicolas Sannier, University of Luxembourg (Luxembourg)
- Kurt Schneider, Leibniz Universität Hannover (Germany)
- Maria Spichkova, RMIT University (Australia)
- James Tizard, The University of Auckland (New Zealand)
- Falk Uebernickel, Hasso-Plattner-Institut (Germany)
- Andreas Vogelsang, University of Cologne (Germany)
- Tao Yue Beihang, University (China)

IV. Welcome Message

Welcome to The 2nd Workshop on **M**ulti-disciplinary, **O**pen, and Integ**R**at**E**d **R**equirements **E**ngineering (MO2RE'25), held in conjunction with the 47th IEEE/ACM International Conference on Software Engineering (ICSE 2025). The workshop will focus on *community-building* and investigate how to better integrate RE within the SE activities. Besides papers presentations, the program includes two keynotes from long-time contributors to the Requirements Engineering field and community:

- The first keynote, titled "*Building REsilience: Antifragility through Multidisciplinarity in Requirements Engineering*", will be given by Sarah Gregory who is now working primarily as a requirements engineering consultant (at Crary Labs LLC), with a side gig as a leadership and developmental coach.
- The second keynote, titled "*A History of RE as Seen by a Still-Active Alter Kaker Who Was in It From Before the Beginning*", will be given by Prof. Dan Berry, Full Professor of Computer Science at the University of Waterloo.

We express our gratitude to the authors, presenters, keynote speakers, and participants, along with the Program Committee members, the Workshop Chairs of ICSE 2025, and the entire organizational team of ICSE 2025.

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