

Third Workshop on the Web and Requirements Engineering (WeRE 2012)

Nowadays, the advance of the Internet and the increasing need for high-performing information systems that agree with user expectations advise highlighting the requirements engineering tasks in the software development lifecycle. In the context of Web engineering, end users are frequently unknown, maintenance and traceability requirements are complex, and aspects such as navigation, safety, or interface acquire a high level of criticality. Therefore new technologies, tools, and methodological solutions are needed to ensure the quality of the results according to the elicited requirements.

The International Workshop on Web and Requirements Engineering (WeRE) aims to bring together experts interested in the proposal and development of solutions that help to improve the quality of work requirements in the environment of Web engineering. In this third edition, we received a total of eight papers, four of which were accepted, representing a 50% acceptance rate. The contributions belong to authors of seven countries from both academia and industry. As in previous years, we put a special emphasis in the relationship with the enterprise environment and the need to involve the business community. Therefore, we invited Pilar Calvo Charneco, in charge of the Administration and Finance Office of Everis Seville, Spain. She presented a keynote on the relevance of motivation in the field of requirements engineering. The companies Everis and Sadiel Inc. demonstrated their interest in the workshop by sponsoring the event.

The workshop was a meeting point that allowed for discussion and debate on different crucial aspects in the field of Web requirements engineering. We focused the discussion on traceability of requirements, application of early testing and its advantages and drawbacks, and the use of the model-driven paradigm for monitoring. These points attracted great interest from the audience. All editions of the workshop showed the need to continue with research in the WeRE area and seek better solutions for the treatment, maintenance, and management of software requirements in the context of Web engineering.

We would like to thank the ICWE 2012 organization for giving us the opportunity to organize this workshop, especially the Workshop Chairs, Manuel Wimmer and Michael Grossniklaus. Many thanks to all those that submitted papers and, in particular, to Pilar Calvo Charneco for presenting the point of view of her company in her keynote talk. Our thanks also go to the reviewers and the members of the Program Committee, for their timely and accurate reviews,

for their help selecting the papers, and for their constructive comments that allowed for improvement of the contributions. Finally, we would like to mention that WeRE 2012 was partially organized within the context of the MANTRA project (GV/2011/035) from Valencia Government (Spain) and the Tempro project of the Ministerio de Educación y Ciencia (TIN2010-20057-C03-02).

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Third International Workshop on Quality in Web Engineering (QWE 2012)

The development of Web applications is continuously increasing. In fact, they enable companies to deliver services and products at a distance. The main goal of such applications should be the satisfaction of the customer needs, and thus quality aspects should be one of the main factors of Web application projects. Recent studies have instead found that quality features are scarcely considered.

New methods and techniques that help to improve the quality of delivered Web applications are needed. This is the motivation that led us to organize the third edition of the International Workshop on Quality in Web Engineering (QWE 2012) that was held in conjunction with the 12th International Conference on Web Engineering (ICWE 2012).

The purpose of the workshop was to discuss the effectiveness of existing approaches for evaluating and managing the quality of Web resources (e.g., quality models, quality evaluation methods, information quality tools, logging tools, automatic metric capture tools), with the final objective of allowing researchers and practitioners to discuss recent trends and open issues. Special emphasis was placed on Web engineering methods, and the way in which their early artifacts (process and product models) can improve both the quality of the development process and the quality of the final applications and content. This includes, among other aspects, discussing the way in which Web engineering methods can be further empowered by taking into account quality principles and by integrating sound quality assessment techniques that have proven their effectiveness (review guidelines, usability models, usability evaluation methods, usability checkers, accessibility verifiers, information quality tools, logging tools, automatic metric capture tools, statistical tools, etc.). The accepted papers mainly contribute to this direction. In fact, they focus on the quality assessment of courseware Web applications and on the quality measurement and evaluation strategies of generic Web applications, the latter also providing guidelines for improvement. Furthermore, the workshop also tried to encourage a discussion on the current trends in the creation of modern Web applications, commonly referred to as Web 2.0 applications. Such discussion was also facilitated by the invited talk, which, in particular, highlights issues related to the knowledge that can be retrieved from Web 2.0 sources. The talk confirms that the coverage and quality of the Web sources are important issues, but it is also necessary to consider that much of the knowledge they contain is uncertain. Methods to quantify this uncertainty are needed.

We would like to thank the invited speaker Gjergji Kasneci from the Hasso-Plattner-Institut and the authors for submitting their papers to the workshop