

# Preface

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These proceedings contain the papers presented at the 11th International Workshop on Automated Specification and Verification of Web Systems (WWV 2015), which was held on 23 June 2015 in Oslo, Norway, co-located with the 20th International Symposium on Formal Methods (FM 2015).

Companies, organisations and institutions offer most of their electronic services as sophisticated web-based applications. Prominent examples include e-business, e-learning, e-government, and e-health services. The increased complexity and the explosive growth of such applications has made their design and implementation a challenging task, not in the least because at the same time quality, accessibility, security, and privacy issues need to be considered. Systematic, formal approaches to their specification and verification are needed to address the problems of those systems by means of automated and effective techniques and tools.

The Workshop on Automated Specification and Verification of Web Systems (WWV) is a yearly interdisciplinary forum for researchers originating from the following areas: declarative, rule-based programming, formal methods, software engineering and web-based systems. WWV fosters the cross-fertilisation and advancement of hybrid methods from such areas. The previous ten WWV workshops have been held in Vienna (2014), Florence (2013), Stockholm (2012), Reykjavik (2011), Vienna (2010), Hagenberg (2009), Siena (2008), Venice (2007), Cyprus (2006), and Valencia (2005).

This year, 12 papers were submitted to the workshop, and the Program Committee decided to accept 6 papers, based on their scientific quality, originality, and relevance to the workshop. Each paper was reviewed by at least three Program Committee members. In addition to presentations of regular papers, this year's workshop included two invited talks, by José Meseguer (University of Illinois at Urbana-Champaign, USA) and Dino Distefano (Queen Mary University, London, UK & Facebook Inc., USA), which we decided to share with a more general audience in two joint sessions together with the 20th International Workshop on Formal Methods for Industrial Critical Systems (FMICS 2015).

We want to thank the Program Committee members and the additional reviewers for their careful reviewing. We are grateful to the FM workshop chairs and the FM organizers for accepting WWV as a co-located workshop at FM 2015 and for the smooth organization. We thank Manuel Núñez and Matthias Güdemann for their willingness to organize two joint FMICS+WWV sessions. We would also like to take this opportunity to thank Andrei Voronkov for his excellent EasyChair system that automates many of the tasks involved in organizing and chairing a conference. Finally, we thank EPTCS and its editor-in-chief, Rob van Glabbeek, for agreeing to publish the post-proceedings of WWV 2015.

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