

# Preface

Making a city "smart" is an emerging strategy to mitigate the problems generated by the urban population growth and rapid urbanization. Each city models the technological, organizational and policy aspects of that city, and for this reason a smart city is an interplay among technological, organizational and policy innovation. The complexity of interactions not only in hardware and software involved, but also in the actors and processes interplay, makes the availability of systematic design processes a must. Model Driven Engineering (MDE) improves coordination between the various stakeholders, resulting in the qualitative production of software and other artifacts involved. MDE has been successfully used in businesses with a need for complex and error-proof software, such as companies operating in the high tech industry. Integrating MDE approaches in Smart City design processes may lead to more robust solutions.

The purpose of the 1st International Workshop on Modeling Smart Cities has been to establish a forum to share and discuss how MDE can be successfully applied to Smart City projects and which benefits and, at the same time, challenges can be expected. The workshop aimed to attract and offer a space for different kinds of research around the topic also attracting people from the Smart City community, not only industry but also public administrations.

This first edition has been originally accepted as a half-day event of the Federated Conference on Software Technologies: Applications and Foundations (STAF), scheduled in June, 2020 in Bergen, Norway. Due to COVID-19, the workshop has run virtually co-located with the MDE4IoT workshop on June 22 2020. We thank the organizers of the MDE4IoT workshop for this opportunity and for the interesting discussions.

One contribution was accepted after a rigorous review process, addressing several challenges in the Smart City domain with MDE. The workshop's program consisted of the accepted paper's presentation and of a keynote given by Saverio Romeo, Lead Expert for the development of digital transformation strategies, nominated by the EU committee.

We would like to thank the STAF 2020 organization for giving us the opportunity to organize this workshop, especially to the workshop chairs Loli Burgueno (Open University of Catalonia, Spain) and Lars Michael Kristensen (Western Norway University of Applied Sciences, Norway), who were always very helpful and supportive. Many thanks to all those that submitted papers, and particularly to the presenters of the accepted papers. We also

warmly thank Saverio Romeo for giving a very inspiring keynote talk and the many participants who contributed to the open discussions with their comments and experience. Last but not least, our thanks go to the reviewers and the members of the Program Committee, for their timely and accurate reviews and for their help in choosing and suggestions for improving the selected papers.

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