

# Preface

This book presents the main research results of the 31st edition of the long-standing and established international and interdisciplinary conference series on environmental information and communication technologies (EnviroInfo 2017).

The conference was held on 13–15 September 2017 at the Neumünster Abbey in Luxembourg, organized by the Luxembourg Institute of Science and Technology (LIST), under the patronage of the Technical Committee on Environmental Informatics of the German Informatics Society.

The tag line of this year's conference was "From Science to Society: The Bridge provided by Environmental Informatics". It underlines that Environmental Informatics has its roots in applied research and that it is not an ivory tower discipline. Environmental research at the local organizer LIST, a research and technology organization, is a clear example of this focus on doing research that has a high impact on the society. At the same time, the location Luxembourg truly exemplifies some of the complex research topics for Environmental Informatics today. For example, due to its size and geographical situation, the country is specifically challenged by environmental issues that cross borders such as the impact of environmental disasters, emissions caused by the cross-border mobility due to the international workforce in the country, or the interoperability of environmental decision systems in general.

The articles in this book give some innovative answers to these and other questions that are relevant for Environmental Informatics research, such as semantic interoperability modelling used for disaster management, sustainable mobility solutions, approaches for energy-aware software-engineering, and land-use planning.

The editors would like to thank all the contributors to the conference and these conference proceedings. Special thanks also go to the members of the programme and organizing committees. In particular, we would like to thank all those involved at the local organizer, LIST. Last, but not least, a warm thank you to our sponsors that supported the conference.

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