CERCIRAS

CERCIRAS WS01
First Workshop on Connecting Education and Research
Communities for an Innovative Resource Aware Society

Novi Sad, Serbia, September 2nd, 2021

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Preface

This proceeding contains contributions presented at the first CERCIRAS Workshop on Connecting Education and Research Communities for an Innovative Resource Aware Society that has been held on September 2nd, 2021 at the University of Novi Sad, in Novi Sad, Serbia.

CERCIRAS Workshop originates from CERCIRAS Cost Action CA19135 whose primary goal is to spread resource awareness across regions, sectors and domains. Thus, it was organized within CERCIRAS Open, the central annual event of the CERCIRAS Action, with an intention to set a foundation for a tradition of workshop series on Resource Awareness that would outlast the COST Action.

The CERCIRAS workshop aims to provide a forum for presentation, discussion and dissemination of the scientific findings and their application in the area of resource aware computing. It also provides a forum for the establishment and improvement of interaction and cooperation between scientists and practitioners from all related sectors and domains.

The CERCIRAS Workshop consisted of four technical sessions and was concluded by a panel discussion session. Technical sessions welcomed presentations on state of the art, early ideas, work in progress, preliminary results, case studies, industrial cases and open problems and mature results in the form of research results, reports or demonstration. Presentation topics related to any kind of resources (time, energy, space, data, effort, etc.) and their usage in development and usage of systems in our environment. Presentations have referred to techniques involved in resource measurement, monitoring, controlling, and trade-offs, including the full scope of techniques from background theory to application of innovative solutions in different domains. Finally, we welcomed any aspect of mentioned techniques such as education, training, research and practice.

Authors of presented work have been invited to extend their work based on discussion and conclusions, and to submit short or full papers on their contributions. Submissions were reviewed by an international program committee, where all eleven submitted papers were reviewed by three or four reviewers and accepted to be published in this proceedings volume.

We are grateful to all PC members and sub-reviewers for providing careful and timely opinions on the papers. We are grateful also to CERCIRAS CA19135 and COST Association, as well as to local organizing team at University of Novi Sad, Faculty of Sciences, Department of Mathematics and Informatics for financial, technical, logistic and organizational support, including preparation of this proceedings. Finally. we are thankful to all contributors and authors for sharing their ideas and findings with the workshop participants, contributing directly to success of the first edition of CERCIRAS Workshop.

Padma Iyenghar and Gordana Rakić, editors

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[1]All references to Kosovo, whether the territory, institutions, or population, in this text, shall be understood in full compliance with United Nations Security Council Resolution 1244 and without prejudice to the status of Kosovo.