Preface

The 3rd workshop on Resource Awareness of Systems and Society (RAW 2024) is co-located with the COST Action CA19135 CERCIRAS Closing Conference (https://www.cerciras.org/action-events/cerciras-closing-conference/). The workshop aims to bring together educators, researchers, and engineers from academia and industry to discuss solutions and open problems in the area of resource-aware computing. The primary goal of RAW 2024 is to form a community focused on resource-aware computing, addressing both classical trade-offs such as **energy vs. performance**, and emerging considerations like **resilience, sustainability**, and the use of **additional resources** (e.g., time, network bandwidth, and human effort) in software systems and processes.

RAW 2024 received six research submissions, out of which six satisfied the acceptance criteria and were accepted. The six accepted papers span a range of **cutting-edge research** in resource awareness, with a strong emphasis on **energy efficiency of software** and the **practical trade-offs between performance and sustainability**.

The RAW 2024 workshop consisted of two technical sessions, featuring six research presentations covering topics such as the state of the art, early ideas, work in progress, case studies, industrial cases, open problems, and mature results. These presentations addressed **resource measurement, monitoring, controlling, and trade-offs**, covering a wide scope of techniques from background theory to innovative solutions across domains. Furthermore, discussions explored different aspects of **education, training, research**, and **practice**.

All submissions were reviewed by an international program committee, with each paper reviewed by at least three reviewers. We are deeply grateful to all Program Committee members for their careful evaluations.

Program Committee

Marcus Denker, PhD., INRIA Lille, France
João Paulo Fernandes, PhD., NYU Abu Dhabi, UAE and University of Porto, Portugal.
Martin Frieb, PhD., Augsburg University, Germany
Padma Iyenghar, PhD., University of Osnabruck, Germany
Attila Kertesz, PhD., University of Szeged, Hungary
Andras Markus, PhD., University of Szeged, Hungary
Ana-Maria Oprescu, PhD., University of Amsterdam
Zoran Pandilov, PhD., Ss. Cyril and Methodius University in Skopje, North Macedonia
Radu Prodan, PhD., University of Klagenfurt, Austria
Petar Rajkovic, University of Nis, Serbia
Gordana Rakic, PhD., University of Novi Sad, Serbia
João Saraiva, PhD., University of Minho, Portugal
Oleksandr Zaitsev, PhD., CIRAD, UMR SENS, MUSE, Université de Montpellier, France

Special thanks to the **COST Action CA19135 CERCIRAS**, which continues to support and inspire the RAW workshop series, driving progress towards an innovative and resource-aware society. COST is a funding agency for research and innovation networks. COST Actions help connect research initiatives across Europe, enabling scientists to grow their ideas by sharing them with their peers. This boosts their research, careers, and innovation.

The COST Action CA19135 CERCIRAS: Connecting Education and Research Communities for an Innovative Resource Aware Society, funded by the European Cooperation in Science and Technology (COST) Association[1], involves more than 250 participants representing over 35 countries. While CERCIRAS initiated the RAW Workshop series, as a COST Action workshop, it is now open to all interested participants and presenters with an intention to continue the RAW tradition in the future.

In addition, we would like to thank the local organising team at CERCIRAS Closing Conference for technical, logistic, and organisational support. We are thankful to all contributors and authors for sharing their ideas and findings with the workshop participants, contributing directly to the success of the third edition of the RAW Workshop.

September 2024   Hamza Baniata, PhD., University of Szeged, Hungary
                      Maja H. Kirkeby, PhD., Roskilde University, Denmark
                                      RAW 2024 Program Chairs

---