

3rd International Workshop on Cyber-Physical Social Systems for Sustainability: Preface

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Preface

Welcome to the 3rd International Workshop on Cyber-Physical Social Systems for Sustainability (CPSS4Sus2025). The world is confronting numerous challenges that should be dealt with in the near future, such as tackling climate change and environmental degradation, producing affordable and clean energy, eliminating poverty, and ensuring education, health, and social protection for all. In particular, we are interested in the shift towards human-centric computing that has led to Cyber-Physical Social Systems (CPSS), which incorporate human and social interactions to achieve sustainability. This is the focus of our workshop. We received two submissions, each of which underwent a rigorous review process by at least two members of the Program Committee. This ensured that the proposals we discussed during the workshop were of the highest quality and relevance to our theme.

We were privileged to have Martin Henkel present the paper "Towards a Model of Multilevel Adaptive Collaboration." This work proposes a conceptual model for describing rules in multilevel adaptive collaborations, demonstrated through a compelling case study on health data exchange. It highlighted how actors at different levels adapt their rules based on their goals and the necessity of balancing these with overarching collaborative objectives.

Following the presentations, we engaged in discussions with workshop participants. We employed a world café group activity to facilitate group dialogue among the participants. These conversations led to identifying key challenges and promising opportunities for the CPSS4Sus community, alongside a thoughtful exploration of sustainability's critical social and technological dimensions.

We are deeply grateful to the Program Committee* for their reviews and valuable feedback, as well as to the experts who so generously shared their experiences with us. We thank all the authors who submitted their work to CPSS4Sus2025 and congratulate those whose paper appears in the final proceedings. We are passionate about growing a dedicated community around this truly captivating and significant topic and eagerly look forward to connecting again soon.

Best regards,

Isabel, Ivan, and João Paulo

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