

PerConAI 2023: 2nd Workshop on Pervasive and Resource-Constrained Artificial Intelligence - Welcome and Committees

2nd Edition of PeRConAI

The PeRConAI workshop aims at promoting the circulation of new ideas and research directions on pervasive and resource-constrained artificial intelligence, serving as a forum for practitioners and researchers working on the intersection between pervasive computing and machine learning, including deep learning and artificial intelligence. The workshop welcomes theoretical and applied research sharing the common objective of investigating solutions advancing towards a truly pervasive and liquid AI. In the long term, we envision a future where every device at the edge of the Internet, regardless of its computing capabilities, will have an active role in the AI process by processing its data and collaborating with other devices to extract knowledge from them.

The workshop international program committee refereed the submitted full papers by their quality and relevance to the theme. The final program includes four carefully selected papers out of ten submissions.

The workshop includes a keynote and two technical sessions covering the two main aspects of AI in pervasive computing. The first session covers *distributed and federated learning* aspects in pervasive contexts and *inference on embedded devices*. The papers in the second session address problems related to *real-time privacy preservation and resource allocation for vision-related problems at the edge*. The keynote speech, titled "**Decentralized Intelligence: towards collaborative and sustainable learning**", will take place after the opening remarks, and it will be delivered by **Dr. Paolo Dini (CTTC, Spain)**.

We want to thank the program committee members for providing detailed and thoughtful reviews, thus making it possible to assemble an exciting program of high-quality papers. We would also like to thank the PerCom organizers, particularly Prof. Carlo Vallati and Prof. Qi Han, the PerCom workshop co-chairs, for supporting the workshop and assisting with its organization. Finally, we thank all authors and workshop attendees for their contributions and participation.

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