



Proceedings of
**The 1st International Workshop on
Security and Privacy-Preserving AI/ML**
SPAIML 2025

co-located with
The 28th European Conference on Artificial Intelligence
ECAI 2025

Bologna, Italy
October 26th, 2025

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Preface

The workshop focuses on the transformative potential of AI/ML technologies in addressing key challenges in security and privacy across diverse domains. In an era of increasing digitalization and interconnectivity, organizations face evolving threats, from sophisticated cyber-attacks to complex data privacy concerns. Traditional methods often struggle to adapt to the dynamic nature of these challenges, particularly in scenarios requiring real-time analysis, anomaly detection, and large-scale data management. AI/ML presents a paradigm shift by enabling intelligent, scalable, and proactive approaches to security and privacy. For instance, machine learning models can detect patterns in network traffic indicative of cyberattacks, while AI-driven solutions can enable privacy-preserving data processing through federated learning or differential privacy techniques. By focusing on how AI/ML can be harnessed to safeguard sensitive data and systems across various domains, this workshop aims to advance the state of the art in security and privacy.

This year's workshop (<https://spaiml.com/2025>) took place on October 26th, 2025 in conjunction with the 28th European Conference on Artificial Intelligence (<https://www.ecai2025.org/>) in Bologna, Italy.

The double-blind review process involved 14 PC members whose affiliations came from 6 different countries: Finland (1), Germany (8), Japan (1), Sweden (2), United Kingdom (1), USA (1). We received a total of 10 submissions from authors based in 9 different countries: Austria (1), Finland (1), Germany (4), Italy (4), Japan (4), Netherlands (6), Sweden (2), United Kingdom (6), United States (4). Out of these 10 submissions, 7 were accepted for presentation at the workshop and inclusion in these proceedings as regular papers.

In addition to two paper sessions, this year's workshop hosted a keynote by Victor Morel, titled "Should I Trust It With My Data? Capabilities, Limits, and Perspectives of AI Technologies for Privacy."

We want to thank all authors for their submissions, the PC members for their efforts in reviewing the papers, and the keynote speaker for their inspiring talk.