4th International Workshop on Mining Software Repositories Applications for Privacy and Security

March 17th, 2026

In conjunction with the IEEE International Conference on Software Analysis, Evolution and Reengineering (SANER) - https://conf.researchr.org/home/saner-2026

ORGANIZERS:

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WORKSHOP THEME AND GOALS:

Privacy and Security (P&S) are multifaceted and complex research areas spanning across different knowledge domains (e.g., engineering, law, and psychology). Challenges in P&S cannot be solely addressed from a single discipline as they often involve human factors, technological artefacts, and regulatory/legal frameworks. Particularly, the quest for P&S solutions requires in-deep knowledge and actionable information about its users/stakeholders, vulnerabilities/flaws, and potential attackers.

Mining Software Repositories (MSR) techniques can support this quest by providing means to understand the P&S dimensions of information systems, thus help shaping privacy- and security-friendly software. This workshop aims to explore the application of MSR at the different stages of P&S engineering.

TOPICS OF INTEREST:

- MSR applications for security risk assessment
- MSR applications for privacy requirements engineering
- MSR applications for security vulnerabilities detection
- Privacy-Enhancing Technologies (PETs) through MSR
- MSR-based research for safety/security by design
- Privacy-friendly MSRs (including mixed-methods)
- MSR-based mixed-methods on P&S research

- Privacy requirements in MSR-based research
- Integrating MSRs into P&S research (empirical)
- Analysis of repositories to mine for P&S research
- Tools supporting MSR-based research for P&S
- Datasets used for MSR-based research for P&S
- MSR applications to P&S assurance

SPECIAL TOPIC OF INTEREST: Large Language Model (LLM)-based methods (including benefits and limitations) for mining security and privacy-related data (e.g., vulnerabilities) from software repositories.

IMPORTANT DATES:

- Abstract submission: December 12, 2025 (AoE)
- Paper submission: December 18, 2025 (AoE)
- Notification: January 14, 2026
- Camera-ready: January 20, 2026

SUBMISSION GUIDELINES:

Please check the **MSR4P&S Website** https://msr4ps.github.io