

Preface – 1st Workshop on Memory-Based Reasoning for Responsible GenAI

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Generative Artificial Intelligence (GenAI) is a groundbreaking technology changing our daily tasks and lives. Instrumental to this is the high performance that Large Language Models (LLMs) currently achieve. However, LLMs still have weaknesses; for example, hallucinations and lack of transparency limit their application and pose new challenges. Recent work has argued that augmenting LLMs with reasoning from episodic memory can alleviate some of these challenges. The ICCBR 2026 Workshop on Memory-Based Reasoning for Responsible GenAI focuses on building more responsible GenAI through memory augmented approaches. In our context, responsibility means having properties such as explainability, trustworthiness, privacy, and contestability, bias mitigation, and safety.

Through presentations and discussion, the workshop examines how integrating memory-based methods with LLMs can advance responsible GenAI through capabilities such as provenance, traceability, and how short- and long-term memory models can support privacy preserving and safer, more controllable behaviour. The workshop program also includes submissions on specific integrations of memory-based methods with LLMs.