

# Applications of Semantic Technologies (AST 2014)<sup>1</sup>

**Abstract:** Semantic Technologies encode meanings explicitly and independent from concrete formats and application logic on the basis of formal languages. Applications of Semantic Technologies are currently being investigated in various fields, including Ambient Intelligence, Software Engineering, Cognitive Systems, Corporate Intranets, Knowledge Management, Bioinformatics, Robotics, eLearning and many more. Recent developments indicate that methods and tools provided by Semantic Technologies play a crucial role in these and other application areas for the foreseeable future, in particular for the processing and management of Big and Smart Data.

The international workshop on Applications of Semantic Technologies (AST) in its eighth edition brings together researchers, practitioners, and users from various fields to discuss goals, limitations, challenges, and real experiences. We accepted three submissions for publication and presentation at the workshop. The range of application areas covered by these papers is indeed diverse and shows how Semantic Technologies are applied in order to solve technical and domain-specific problems: integration of data from Linked Data sources into web applications, facility management with a focus on self-organisation, as well as adaptable and dynamic multi-agent systems. Semantic Technologies applied in these domains comprise Linked Data technologies, semantic widgets, ontologies, and semantic reasoning.

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<sup>1</sup> <http://ast2014.fzi.de/>

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