

Semantic Structures in Service-oriented Architectures

Motivation

- Insufficient discovery, execution, and composition of services
- Limitations of service repositories, service engineering and interoperability of service standards

Challenges

- Find techniques to overcome interoperability of different web service standards
- Compare and enhance Web service retrieval based on (incomplete) semantic information

Our Contributions

- SEM.KOM: Workbench for evaluating different approaches to Web service retrieval
- PicasSOA: Holistic approach to service engineering based on semantic information
- USML: Unified Semantic Markup Language

