

In order to validate our research results, our research activities encompass the development of related prototypes.

Software prototypes that are released under open source license are available from the following links:

*Semantic service-oriented middleware for pervasive computing:*

- [iCOCOA](#) : A semantic service-oriented middleware for pervasive computing
- [WSAMI](#) : A service-oriented middleware for ambient intelligence

*Service-oriented middleware for pervasive networks:*

- [ubiSOAP](#) : A service-oriented middleware for ubiquitous networks
- [INMIDIO](#) : An interoperable middleware for heterogeneous service discovery and access
- [MUSDAC](#) : A middleware for multi-network, multi-protocol service discovery and access
- [Ariadne](#) : A scalable dynamic Web service discovery protocol for MANET

*Next generation service bus for the Future Internet:*

- [XSB](#) : A development and runtime environment dedicated to complex distributed applications

*Middleware for the Internet of Things:*

- [Srijan](#) : Data-driven macroprogramming for heterogeneous sensor networks
- [LSB](#) : The CHOReOS access solution for the Internet of Things (IoT)
- [Things Discovery](#) : Provides a mechanism for discovering Thing-based services.

*Middleware for mobile federated social networks:*

- [Yarta](#) : Mobile Social Middleware.