

## ICT08-018 - FoSII - Foundations of Self-Governing ICT Infrastructures

### Zusammenfassung

While it is possible today to offer the packaging of software into services no practical approaches are so far available for packaging computing power as a service. Yet this could be a low-cost and massively scalable solution for problems which presently require the purchase of expensive computers. The project investigates the problems arising from the lack of dynamism and adaptivity in so-called service-oriented architectures (SOA). Emulating the principles of autonomic systems (such as operate in biological systems), it develops novel methods for communications between ICT systems and for their self-management. Applications include the easier combination of IT systems operated by two or more companies in the case of a merger.

### Keywords:

Web Services, Grid Computing, Autonomic Computing, Service Engineering, Service Monitoring

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Principal Investigator:	Ivona Brandic
Institution:	Vienna University of Technology
Weitere	Schahram Dustdar (Vienna University of Technology)
Projektpartner:innen:	Rajkumar Buyya (University of Melbourne) Frank Leymann (University of Stuttgart)



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Weiterführende Links zu den beteiligten Personen und zum Projekt finden Sie unter  
<https://www.wwtf.at/funding/programmes/ict/ICT08-018/>