

# Self-Adaptive Services

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## 1. A Model for Dynamic and Adaptable Services Management

*Patrick Martin, Wendy Powley, Imad Abdallah, Jun Li, Andrew Brown (Queen's University) Kirk Wilson, Chris Craddock (CA Labs)*

## 2. SLA Protection Models for Virtualized Data Centers

*Alessio Gambi, Mauro Pezzè (University of Lugano), Michal Young (University of Oregon)*

## 3. The Design of a Self-Healing Composition Cycle for Web Services

*K.S. May Chan, Judith Bishop (University of Pretoria)*

## 4. Behavioural Self-Adaptation of Services in Ubiquitous Computing Environments

*Javier Cámara, Carlos Canal, Gwen Salaün (University of Málaga)*

# Discussion

- Adaptivity is orthogonal to functionality
  - management enablement is not part of SDLC
- Agent approach is more scalable than traditional centralized approach
- I can create Adaptive Services across many administration domains
- Standards are helpful

# Discussion

- Does virtualization help or hinder the adaptivity wrt to QoS?
  - How can you infer the QoS through so many hidden layers?
- Static versus dynamic models for QoS?
- Cloud computing- the killer application for adaptive systems?

# Discussion

- Under what scenario one failure trigger a full re-composition?
- Sense making
  - Is there an example of how we can fix an unpredicted failure?
  - If the contingency plan failed, what are the choices?
- How is the control loop implemented?

# Self-adaptation

- What are the limits of self-composition?
- What are the classes of systems that allow composition?
- How is the service-recomposition different from dynamic service selection?