A Self-Management Framework for Efficient Resource Discovery in Pervasive Environments

**PROBLEM**
- Monitoring and resource discovery in pervasive environments
- Address inherent issues, e.g., dynamicity, mobility, heterogeneity
- Ensure reliability, adaptability, scalability and efficiency

**SOLUTION**
- Network abstraction with the use of robust bio-inspired P2P overlays
- Distributed, flexible and extensible decision making mechanisms
- Self-awareness by means of context information
- Self-management loop

**METHOD**
- Self-management framework operating on top of self-organized P2P overlay
- Management by means of policies triggered by context events
- Proactive adaptation to conform to network QoS and varying application requirements

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