

Student Research Seminars

THURSDAY 14th JULY 2011
13:30 – 14:30

Conference Room
L.Sofou Bldg – 7th floor

“Towards an ontology-driven governance framework for cloud application platforms”

by

Mr Dimitris Kourtesis

PhD Candidate

ABSTRACT

Cloud computing is bringing forth a paradigm shift in the way computing capabilities are being delivered and consumed. Cloud application platforms, or Platform-as-a-Service (PaaS) offerings, constitute a new type of service within this context, aspiring to revolutionise the way software applications will be developed and used in the years to come. One of the most fundamental challenges associated with the operation of large-scale cloud application platforms is that of governance, i.e. the ability of the provider to exercise control over important processes and artefacts within the platform. This talk will provide an introduction to the topic of cloud computing and the model of Platform-as-a-Service, and will argue about the importance of effective and efficient governance mechanisms within cloud application platforms. It will discuss the potential of registry and repository systems as facilitators for governance in such platforms, but will also highlight the limitations that current systems have with regard to how governance policies can be defined and enforced. The main thesis that this talk will put forward, is that present-day challenges with regard to governance in cloud application platforms can be overcome through a new approach to the definition and enforcement of governance policies, in which ontology-based knowledge representation and reasoning will be central.

The seminar series is open to all members of *staff* and *students* of CITY and to *public* that wish to attend.



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