



An International Conference on

CLOUD COMPUTING and ORGANIZATIONAL DESIGN

29 March 2018

Venue:

University Paris-Sud

Faculté Jean-Monnet

54 Bd Desgranges, 92330 Sceaux

Room: Gaudemet

Registration: <https://soco.jm.u-psud.fr/colloque/15>



Presentation:

The use of Cloud Computing (CC) is increasing and is creating a new competitive landscape for vendor firms and firms using these platforms alike. Cloud Computing (CC) is complex and multifaceted technology which brings important changes on firm organizations and information systems. CC is probably the last generation of technology in the virtualization and servicisation which are pushing firms to new types of agile organizations. CC can be helpful for firms' IT to run Anything-as-a-Service (XaaS). Moreover, the flexibility, that is brought to firms, allows them to run their IT infrastructure as a utility. It is argued that Cloud Computing can bring scalability even for a short period of time to enterprises demand transparently i.e. if the cost is evaluated according to the computing power and network usage needed by its users. Moreover, firms can cut costs related to their IT staff which can be diminished with the use of CC. However, the deployment of CC technologies also ignites new questions regarding key risks related to identity management, software containment and other security issues. Consequently, multitudes of parameters in CC create an environment suitable to competition among CC providers because a user firm can also change its CC provider easily depending on their needs and what the market offers. The use of CC brings different issues in different areas such as organizational, technical, legal and ethical, privacy, information security, societal, etc.

CC is a technology enabling platform which drives business innovation once it is adopted by firms. Cloud-based business services can be delivered in various forms such as Software-as-a-Service (SaaS), Platform-as-a-Service (PaaS), Infrastructure-as-a-Service (IaaS) and XaaS. These forms increase the dimensions of CC and enlarge the opportunities to create different business models. It is known that the security is one of the main parameters which impacts the IT decision process. Cloud sourcing can increase the perception of the control loss over the confidentiality, data integrity and lack of information about where and how the data is stocked and replicated. In some instances the use of CC services can be an initiative taken by the company by by-passing the internal IT department increasing the security risks.

Different Cloud infrastructure services developed and found within the market leave users with a multitude of choices. In order to ease the decision process, decision support tools can bring some sets of solutions. Decision support tools are important especially during a technological transition to model the future infrastructure which is needed by IT managers. During this conference, results of a survey conducted mainly with IT managers in several countries will be shared. This survey aims to understand how IT managers use CC and how they perceive it for future deployments.

The objective of the conference is to better understand several issues related to Cloud Computing adoption and decision making as well as the key characteristics of firms' organizational design, based on CC. During the conference various subjects such as new business models, the future of enterprises, the adoption process, threats against the use of Cloud Computing will be treated. The conference will be held in a single day at Université Paris- Sud. During the conference, a decision tool developed during the ANR CBOD project will be presented and discussed.

Program of the conference

9:30 - 10:00

Welcome Coffee, registration

10:00 - 10:15

Welcome words: Ahmed Bounfour, Valérie Fernandez, Ioana Manolescu, Emmanuel Waller

Session 1: 10:15 - 12:30 Cloud computing and firm organization		
A. Bounfour, J.M. Etienne and X.Cheng	How do firms transform based on CC. A results of a large global survey	University Paris-Sud, France
J.Bou Abdo, N. Saidani	A decision support tool for CC adoption.	University Paris-Sud, France
I. Manolescu, E. Waller	A decision process modeling for CC	INRIA & Université Paris-Sud
V. Fernandez, S. Khalil and V. Fautrero	Cloud computing and governance, issues and practices	IMT Paris-Tech, France

Lunch break 12:30 - 14:00

Session 2: 14:00 - 15:30 Cloud computing and adoption process		
E.Tsui	Cloud Computing practice in Asian Perspective	Hong Kong Polytechnic University
A.Özaygen	Cloud computing and profiling of users firms	University Paris-Sud, France
Loukis, E., Kyriakou, N.	Contractual and Relational Governance, ICT Skills and Organization Adaptations, and Cloud Computing Benefits	University of the Aegean, Greece

Coffee break 15:30 - 15:45

Session 3: 15:45 - 17:15
Regulation and security aspects of cloud computing

L.Seror	Cloud computing and security by design development	Outscale
H.Abbas, O.Maenne and S.Assar	Security and privacy issues in cloud computing	IMT Télécom Ecole de Management, France
W. Bouaynaya	Impacts sécuritaires de l'adoption du cloud computing dans les petites et moyennes entreprises (PME)	Université de Nantes, France

Final Session 17:15 - 17:45
Conclusion

Conference sponsors

The conference is organized in the context of the [CBOD project](#) – Cloud Business Organizational Design, funded by [ANR](#).

Conference chairs

Ahmed Bounfour, Professor, University Paris Sud– RITM

Valerie Fernandez, Professor, Telecom ParisTech

Ioana Manolescu, Research Director, INRIA

Emmanuel Waller, Associate Professor, LRI, University Paris-Sud