

CONFERENCIANTE: Gwen Salaün, del ENSIMAG, Grenoble INP - INRIA Chair  
- LIG laboratory

TITULO: Reliable Deployment, Reconfiguration, and Control of Cloud  
Applications

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LUGAR: Salón de grados B ETSI Informática

## RESUMEN

Cloud applications consist of a set of interconnected software components distributed over several virtual machines. Setting up, (re)configuring, and monitoring these applications are difficult tasks, and involve complex management protocols. In this talk, I will first present two protocols for deploying and dynamically reconfiguring cloud applications, respectively. I will also present synthesis techniques for generating controllers in charge of coordinating autonomic managers and cloud applications. These approaches have been devised with the support of formal techniques and tools.

## BIO:

Gwen Salaün received a PhD degree in Computer Science from the University of Nantes, France, in 2003. In 2003-2004, he held a post-doctoral position at the University of Rome "La Sapienza", Italy. In 2004-2006, he held a second post-doctoral position at Inria Grenoble, France. In 2006-2009, he was a research associate at the University of Malaga, Spain. Since 2009 he is an associate professor at Ensimag, one of the leading engineering schools in applied mathematics, informatics, and telecommunications in France. He was also appointed to an Inria chair in system security and safety in 2009. He is the co-author of about 50 publications in international conferences and journals. His research interests include formal techniques and tools, process algebras, concurrent and distributed systems, specification and verification, software engineering, composition of software components and services.