Departamento de Informática – UTFSM

Ciclo de Coloquios 2017

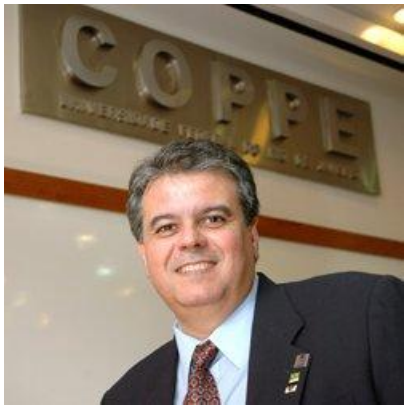
Charla técnica

El Departamento de Informática de la Universidad Técnica Federico Santa María tiene el agrado de invitar a la comunidad Universitaria a su ciclo de coloquios. Esta presentación se realizará en la Sala de Reuniones, Departamento de Informática, Campus San Joaquín, UTFSM el día **Martes 1 de Agosto a las 12:00** y por videoconferencia en el Auditorio Claudio Matamoros (F-106), en la Casa Central.

Título

"Sensible, invisible, sometimes tolerant, heterogeneous, decentralized and interoperable… and we still need to assure its quality…"

Expositor



Guilherme Horta Travassos
COPPE/Universidade Federal do Rio de Janeiro, Brasil

Mini Bio

Guilherme Horta Travassos (GHT) is a Full Professor of Software Engineering at COPPE/UFRJ and a CNPq (Brazilian Research Council) 1D Researcher. He holds a D.Sc. in Systems Engineering and Computer Science from COPPE/UFRJ, with a post-doc in Experimental Software Engineering at the University of Maryland/College Park - USA. He heads the Experimental Software Engineering Group at COPPE/UFRJ, heads the administration commission of high performance computing facilities at COPPE/UFRJ, and is a member of ISERN, SBC, and ACM. His experience in interacting with the industry has evolved along the years and represented by the different software projects developed. Apart from that, he is an associate editor of Elsevier - Information and Software Technology (IST), and takes part in the editorial board of World Scientific – International Journal of Software Engineering and Knowledge Engineering (IJSEKE), SpringerOpen - Journal of Software Engineering Research and Development (JSERD), and e-Informatica Software Engineering Journal (EISEJ). Further information regarding his research interests and publications can be obtained at http://www.cos.ufrj.br/~ght, Contact him at ght at cos dot ufrj dot br.

Resumen

Contemporary software systems present properties that add to those usually observed in conventional software. Features concerned with the omnipresence of services, capture of experiences and intentions, adaptation to behavior, decentralization, services discovery, heterogeneity of services and devices, interoperability, minimum user intervention and fault tolerance frequently emerge in this technological scenario. In general, these software systems interact with actors (not just humans) and are sensitive to the context. In other words, they perceive (capture) the context and use it as a behavioral guide to support the actor-computer interaction.

To assure the quality of any software is vital, considering its role in supporting daily humankind activities. However, carrying out the verification and validation (testing) of these contemporary software systems turns into a challenge, considering that the available technologies, in general, have been not developed to deal and/or examine these features.

This keynote aims at discussing these quality issues. Taking as basis evidence obtained from researches performed by the Experimental Software Engineering Group at COPPE/UFRJ and more recently in the context of CNPq Project (484380/2013-3) CAcTUS – Context Sensitive Tests for Ubiquitous Systems, challenges for research and practice will be presented to the audience.

Lugar y Fecha

1 de agosto de 2017, 12:00 hrs
Sala de Reuniones, Departamento de Informática, UTFSM, Campus San Joaquín.
La charla se transmitirá en videoconferencia al Auditorio Claudio Matamoros (F-106).