



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 el Auditorio Claudio Matamoros (F-106), en la Casa Central el día **Lunes 07 de noviembre de 2016 a las 16:00** y por videoconferencia a la Sala de Reuniones, Departamento de Informática, Campus San Joaquín, UTFSM.

Title

When labelled graph strategic rewriting meets social networks

Speaker



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Mini Bio

Direction of the European and International Partnerships Department, Member of the Board of the French High Council for Evaluation of Research and Higher Education, Member of the Board of Informatics Europe, Grand Professor of TU Dresden Cluster of Excellence Center for Advancing Electronics Dresden, Inria Scientific Director of the International Affairs Department (2010-2015), Director of the joint laboratory LORIA and of the INRIA Lorraine research center (2001-2007).

Abstract

This talk describes a logic and algebraic approach, namely labelled graph strategic rewriting, applied to the study of social networks. Relevant concepts are provided by three ingredients: labelled port graphs to represent networks of data or users; rewrite rules to describe concurrent local transformations; strategies to express control and to focus on points of interests. We show through several examples how to apply these techniques, first to generate random networks models for social networks, second to simulate different propagation mechanisms, compare them and draw some new perspectives.

Based on joint work with Maribel Fernandez (King's College, London), Bruno Pinaud and Jason Vallet (Bordeaux University)

Lugar y Fecha

07 de noviembre de 2016, 16:00
Auditorio Claudio Matamoros (F-106)
Departamento de Informática, Valparaíso. UTFSM

La charla se transmitirá en videoconferencia a la Sala de Reuniones, Campus Santiago, San Joaquín.

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