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 el Auditorio Claudio Matamoros (F-106), en la Casa Central el día **Martes 28 de Noviembre las 12:00** y por videoconferencia a la Sala de Reuniones del Departamento de Informática en Campus San Joaquín, UTFSM.

Título

An Overview of Real-Time Strategy Game AI

Expositor

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Mini Bio

Nicolas A. Barriga holds a Ph.D. in Computing Science from the University of Alberta as well as B.Sc., Engineer and M.Sc. degrees in Informatics Engineering from Universidad Técnica Federico Santa María. After a few years working as a software engineer for the Gemini and ALMA astronomical observatories he turned to game AI research and is currently working on learning, search, and abstraction mechanisms for RTS games.

Resumen

Real-time strategy (RTS) games are war simulation video games in which the players perform several simultaneous tasks like gathering and spending resources, building a base, and controlling units in combat against an enemy force. RTS games have recently drawn the interest of the game AI research community, due to its interesting sub-problems and the availability of professional human players.
Large state and action space make standard adversarial search techniques impractical. Most current state-of-the-art agents divide the game into independent sub-problems, and tackle each one with different search, machine learning or scripted solutions. I will present an overview of these sub-problems and the techniques used to solve them, as well as some algorithms aimed at the full game. I will conclude with possible future avenues of research.

Lugar y Fecha

28 de Noviembre de 2017, 12:00 hrs.
Auditorio Claudio Matamoros (F-106), Casa Central, UTFSM.
La charla se transmitirá en videoconferencia a la Sala de Reuniones, Departamento de Informática, UTFSM, Campus San Joaquín.