

UNIVERSITY OF SOUTH FLORIDA

Defense of a Doctoral Dissertation

Multi-Scale Spatial Cognition Models and Bio-inspired Robot Navigation

by

Martin Llofriu Alonso

For the Ph.D. degree in Computer Science & Engineering

This dissertation focuses on the study of the multi-scale representation of the animal's current location found in the rodent hippocampus. It studies the computational advantages of using a multi-scale representation of the current state in reinforcement learning algorithms. The developed framework is used as a model to explain existing experimental data with real animals, regarding the use of the different scales in behavior.

Wednesday, May 17, 2017

1:45 PM

ENB 313

THE PUBLIC IS INVITED

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