UNIVERSITY OF SOUTH FLORIDA

Defense of a Doctoral Dissertation

Adaptive Multi-scale Place Cell Representations and Replay for Spatial Navigation
and Learning in Autonomous Robots

by

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

Place cells are one of the most widely studied neurons in the brain hippocampus thought to play a vital role in spatial cognition.
Studies show that place cell activity is highly correlated with A computational model for spatial cognition combining... place field maps: multiscale navigation. Biol Cybern 114, 187–207 (2020). https://doi.org/10.1007/s00422-019-00812-x

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