

# UNIVERSITY OF SOUTH FLORIDA

## *Major Research Area Paper Presentation*

*Algorithms for Nucleus Detection and Segmentation in  
Microscopy Images*

by

*Hady Ahmady Phoulady*

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

*Currently, cancer diagnosis requires microscopic examination of tissues or smears by expert pathologists. One of the main steps to automate parts of this process and reduce the workload of experts is nucleus detection and segmentation. In this work, we investigate some of the most recent and popular methods for nucleus detection and segmentation.*

*Thursday, January 28, 2016*

*11:00am*

*ENB 313*

THE PUBLIC IS INVITED

### *Examining Committee*

*Dmitry B. Goldgof, Ph.D., Co-Major Professor*

*Lawrence O. Hall, Ph.D., Co-Major Professor*

*Rangachar Kasturi, Ph.D.*

*Peter R. Mouton, Ph.D.*

*Tapas K. Das, Ph.D.*

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*Graduate Program Director*

*Computer Science and Engineering*

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*Rafael Perez, Ph.D., Interim Chair*

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Office of Diversity & Equal Opportunity at 813-974-4373 at least five (5) working days prior to the event.*