

# RESEARCH EXPERIENCES

for UNDERGRADUATES

## ADVANCES of MACHINE LEARNING

in THEORY AND APPLICATIONS

### AN OPPORTUNITY FOR A 10-WEEK RESEARCH EXPERIENCE FOR UNDERGRADUATE STUDENTS

is available in the area of Machine Learning. The program is sponsored by the National Science Foundation and is a collaboration of the Florida Institute of Technology (FIT) in Melbourne and University of Central Florida (UCF) in Orlando.

Machine Learning evolved from Artificial Intelligence and has enjoyed immense growth over the last 30 years. Gradually it has spawned important areas like Pattern Recognition and Detection, Data Mining, Bioinformatics and Computer Vision among others. Nowadays it permeates several aspects of high-tech applications, like automatic target recognition, biometric-based identification and stock market prediction, as well as everyday life applications, like voice-driven dialing, optical character recognition and others.



### PROGRAM REQUIREMENTS

- Engineering and Science major students are eligible to apply
- Students must be a U.S. citizen or permanent resident
- Students must be undergraduates in good academic standing
- Minorities, women and people with disabilities are especially encouraged to apply

### BENEFITS

- Exposure to the exciting world of Machine Learning and its applications
- Participate in a two-week course to familiarize yourself with Machine Learning
- Work with experts and experienced researchers in the field
- Participate and contribute to cutting-edge, Machine Learning-related research
- Attend industrial visits
- Exposure to the research environment of two universities, FIT and UCF
- Travel and accommodation expenses are covered; student participants will receive a stipend for per diem expenses.
- Visit Central Florida venues such as the Disney attractions and NASA's Kennedy Space Center
- Meet new people
- Make new friends

Application Deadline: **March 30**

Apply Online: [cygnus.fit.edu/amalthea](http://cygnus.fit.edu/amalthea)

For more information, visit our Web site at [cygnus.fit.edu/amalthea](http://cygnus.fit.edu/amalthea) or contact:

**Dr. Georgios C. Anagnostopoulos**  
Department of Electrical & Computer Engineering  
Florida Institute of Technology  
150 West University Boulevard  
Melbourne, Florida 32901-6975  
Phone 321-674-7125 | Fax 321-674-8192  
E-mail: [georgio@fit.edu](mailto:georgio@fit.edu)  
<http://my.fit.edu/~georgio>

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