

## **CHRISTOS VELISSARIS**

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### **EDUCATION - DIPLOMA'S:**

- **Ph.D. in Particle Physics, University of Rochester**, January 1995  
Area of concentration: Experimental High Energy Physics.
- **M.S. in Physics. University of Rochester**, August 1990.
- **B.Sc. in Physics, Athens University**, July 1985.

### **WORK HISTORY:**

- Associate Lecturer, University of Central Florida (2015-Present)
- Lecturer of Physics, University of Central Florida (2006 – 2015)
- Adjunct Physics Instructor, Valencia College East Campus (2014-Present)
- Visiting Assistant Professor, Monmouth College (2005-2006)
- Assistant Scientist. University of Wisconsin-Madison. (2000 - 2005)
- Post-doctoral Associate stationed at Brookhaven National Lab. (1997-2000)
- Military Service. Corps of Engineers (1995-1997)

### **TEACHING EXPERIENCE:**

- Calculus and Algebra based Physics I.
- Calculus and Algebra based Physics II
- Physics III for Scientists and Engineers. Modern Physics.
- Astronomy for non Science majors.
- Physical Science for non Science majors
- Interaction of Radiation with Matter and Detection. (UCF Elective)
- Quantum Mechanics for Physicists
- Statistical Mechanics for Physicists.
- Analog Electronics for Physicists Lab and lecture.
- Digital Electronics and Design for Physicists (Lab and lecture)
- Intermediate Physics Labs.

### **STUDENTS:**

- Thomas Evaskis. "Physical Properties and operation principles of semiconductor microelectronic devices." University of Central Florida, Fall 2013
- Adelaide Baker. "Statistical Error Analysis of Data". University of Central Florida, Fall 2013
- Jacque Ernotte. "Charged Particle Beam Optics, Ring Stability and Accelerator Physics". University of Central Florida Fall 2011.
- Jeremiah Campion. "The KTeV Experiment at Fermilab. Monmouth College. Spring 2006. (Now a High School Physics Teacher).

- Huican Ping. University of Wisconsin at Madison. (2000-2006) Supervised Dr. Ping (now a programmer in industry) to successfully complete his Ph.D Thesis.

#### **NEW COURSES:**

- PSC1121-0W Physical Science Web Course. “Physics in Films” Flavor.
- PHZ3361 - Radiation Detection and Measurement (at UCF)
- Introduction to Cosmology, (proposed at Monmouth College).

#### **TEACHING RELATED PROPOSALS AND AWARDS:**

- Integration for Laymen. Integrative learning Experience with modules introducing Integrals in Physics without Calculus. What’s next, Quality Enhancement Plan (QEP) Award. University of Central Florida. August, 2018 – July 19, 2019
- “Films as Virtual Physics Labs; An online alternative to PHY2048 and PHY2053 (Physics I) labs”. Digital Learning Course Redesign Initiative (DL CRI) Proposal, March 2021. (Not Awarded).

#### **PEDAGOGY PRESENTATIONS IN CONFERENCES AND WORKSHOPS:**

- “Films as Virtual Physics Labs; An online alternative to Introductory Physics I labs” Valencia College Faculty Workshop, August 2020.
- “Films as Virtual Physics Labs” University of Florida STEM-Powered Faculty Symposium, October 2020.
- “Integration in Physics without Calculus” January 2020 AAPT meeting, poster presentation, by UCF Physics Department David Wright.

#### **PEDAGOGIC MATERIAL AND LAB MANUAL AUTHORSHIP:**

- “AC Circuit Analysis in a nutshell”. Written for the Intermediate laboratory and the Analog Electronics Physics courses at UCF.
- “Statistical data Analysis in a nutshell”. Written for the Intermediate laboratory Physics course at UCF.