

## **Faculty Position in Quantum Optics**

### **CREOL, The College of Optics & Photonics University of Central Florida**

CREOL, The College of Optics & Photonics at the University of Central Florida (UCF) invites applications for a tenure-track faculty position in the area of quantum optics, with preference for experimentalists. Although we are interested in junior applicants (at the tenured assistant professor level), highly qualified senior appointments (at the level of tenured associate professor or tenured full professor levels) will also be considered. Topics of particular interest include, but not limited to, solid state quantum optical memories, quantum communications and cryptography, optical implementations of quantum computing, single-photon and entangled-photon sources, and photon-counting detectors.

The successful candidate will be expected to establish a top-quality, vigorous, highly visible research program, teach and mentor graduate and undergraduate students, and contribute to service in the institution and profession. Applicants must have a Ph.D. from an accredited institution in optics or a closely related discipline and a strong research experience with a record of scholarly publications.

CREOL is one of the world's foremost institutions for research and education in optical and photonic science and engineering. The College offers PhD and MS degrees in optics and photonics, and a BS degree in photonic science and engineering. The faculty engages in fundamental and applied research and education in lasers, optical fibers, semiconductor and integrated photonic devices, nonlinear and quantum optics, and imaging, sensing, and displays. The college is now home to the Florida Photonics Center of Excellence (FPCE), and Townes Laser Institute (TLI), and the Institute for the Frontier of Attosecond Science and Technology (iFAST). In addition, the new College of Medicine, which includes the Burnett School of Biomedical Sciences, provides rich opportunities for collaboration. For more information see [www.creol.ucf.edu](http://www.creol.ucf.edu).

UCF is undergoing rapid growth in the size of external research funding, academic stature, and student and faculty diversity. UCF supports and benefits from economic growth in Central Florida, which is emerging as a major hub for technology development. The University is located in the metropolitan Orlando area, which offers a vibrant lifestyle and a variety of cultural and recreational activities.

Candidates must apply online at [www.ucf.edu/jobs/](http://www.ucf.edu/jobs/) and include supporting documents such as a cover letter, curriculum vitae, statements of research and teaching plans, and the names and contact information of at least three references. Review of submitted applications will start on September 15, 2020, and will continue until suitable candidates are identified for interviews. For more information about this position, please contact Professor Ayman Abouraddy, Search Committee Chair, at [raddy@creol.ucf.edu](mailto:raddy@creol.ucf.edu).

*UCF is an equal opportunity/affirmative action employer. All qualified applicants are encouraged to apply, including minorities, women, individuals with disabilities, and veterans.  
As a Florida public university, UCF makes all application materials and selection procedures available for public review.*