



RESEARCH SCIENTIST IN HIGH POWER ULTRAFAST LASERS

The Laser Plasma Laboratory of the Townes Laser institute seeks applicants for an exciting new initiative in ultrafast laser science. For several years now LPL has maintained an efficient program in ultrafast CEP laser development focused on advanced high power, high rep-rate OPCPA systems. In parallel the Laboratory has funded programs on high power ultrafast fiber lasers and next generation solid-state amplifier development. In filling this new position in High Power Ultrafast Lasers, the Laboratory seeks to create a strongly focused new program of development by drawing from these programs. The successful candidate for this position will therefore take a leadership role in this expansion, assuming responsibilities for experimental programs, future program development and management, the mentorship of graduate and undergraduate students, and coordination with other teams within LPL and the Townes Institute. It is expected the candidate will have an intimate knowledge of advanced ultrafast, CPA/OPCPA, CEP, and ultrafast diagnostic techniques. Experience in high harmonic generation, EUV, and THz emission would also be advantageous. LPL (www.lpl.creol.ucf.edu) is one of the largest university research groups in high power laser development and applications in the US, with a comprehensive inventory of ultrafast, solid state and fiber laser technologies, and a current complement of ~ 30 scientists, students and engineers. The Townes Laser institute is a new research center investing ~ \$10M in advanced laser development, with new initiatives in optical fiber fabrication, attoscience and ceramic laser materials underway, and additional programs planned in advanced laser manufacturing technologies, medical laser technologies and other advanced laser technologies (www.townes.ucf.edu).

Applicants for this position can apply by submitting their curriculum vitae and the names of three references through email to: Martin Richardson, Director, Townes Laser Institute, CREOL, College of Optics & Photonics, University of Central Florida, 4000 Central Florida Blvd, Orlando, FL 32816-2700, tel;(407) 823 6819, Email;mcr@creol.ucf.edu

UCF is an affirmative action employer. Women and minorities are encouraged to apply. As an agency of the State of Florida, UCF makes all application materials, including transcripts, available for public review upon request.