

RESEARCH SCIENTISTS IN LASER LIGHT FILAMENTATION

The Laser Plasma Laboratory (LPL) of the Townes Laser institute has positions open at the Scientist level in the field of Laser Light Filamentation. The research program in this field at LPL is now expanding considerably with the acquisition of major long-term funding, and through its leadership of a new multi-university consortium in filamentation. The breadth of this program calls for expertise in many areas including filamentation processes, molecular optics, attoscience, meta-optics, THz emission non-linear wave optics and high intensity laser light interaction with matter. Candidates having experience in these areas, in both experiments and theory are encouraged to apply. The successful candidates will be expected to take leadership positions in several areas of investigation, taking responsibilities for experimental and/or theoretical programs, their development and management, the mentorship of graduate and undergraduate students, and the coordination of the LPL filamentation program with other teams within LPL and the Townes Institute, and with consortium members in the US, Canada, Europe and US national laboratories. Applicants should have experience in the filamentation field.

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 with an initial investment of ~ \$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.