

Microfabrication and Characterization of Microfluidic Devices

Postdoctoral Position

A postdoctoral position in the area of microfluidic devices measurement and fabrication is currently available at CU-Boulder in the Department of Aerospace Engineering Science. Additional information about the general research area can be found at <http://enstrophy.colorado.edu/~mohseni/Research.html>

Requirements:

We are seeking an experienced, self-motivated individual to take the lead in the fabrication area of our digitized microfluidics group. Candidates will be able to combine standard microfabrication skills such as optical lithography and various deposition methods to fabricate and test microfluidic devices using Electrowetting on Dielectric (EWOD) technology. Strong hands-on experience is required, as well as a background with heat transfer and fluid mechanics. Experience with programming in LabView, Matlab, or C++ and electrical circuit design is a plus. Strong English communication skills are also very important. Candidates must have completed a PhD in Mechanical Engineering, Physics, Electrical Engineering, or a related field by the time of appointment.

Responsibilities:

Design, fabricate, test and characterize microfluidic devices. Conduct thermal and electrical experiments. Disseminate results in journals and at conferences.

The position is available immediately and will be filled as soon as a suitable candidate is identified. Applicants should apply via jobsatcu.com (see Job Posting #808492).

The University of Colorado is committed to diversity and equality in education and employment.