**Postdoc position available at the University of Colorado Boulder**

A postdoctoral researcher position is available in the Nanophotonics Group at the University of Colorado Boulder. The successful candidate will work on developing plasmonic nanostructures for absorption enhancement in organic solar cells. The main tasks will be the fabrication of silver and gold nanostructures using nanoimprint lithography. Electron-beam lithography and focused ion beam lithography will also be employed for fast prototyping as needed. Once the plasmonic nanostructures are fabricated, organic solar cell will be made by evaporating or spin-coating organic active layer and completing the contact layers by lamination process. He or she will work closely with other graduate students who will conduct theoretical modeling and optical characterizations. He or she will also interact closely with researchers at the National Renewable Energy Laboratory in Golden, CO, where device characterizations will be carried out.

The successful candidate must possess Ph.D. in Electrical Engineering or related fields, have strong expertise in micro-/nano-fabrication processes including various lithographic patterning techniques, wet and dry etching processes, thin film deposition, etc. It is also required for the candidate to be highly skilled with characterization techniques such as optical microscopy, electron microscopy, atomic force microscopy, ellipsometry, spectroscopy, etc. Additionally, he or she will have to be able to work effectively in a team of large number of researchers and thus must possess good communication skill.

Desired start date is Feb. 1, 2013. Interested applicants should contact

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