**Postdoctoral Research Position Available with CEARL**

The Computational Electromagnetics and Antennas Research Lab (CEARL) invites applications for a postdoctoral research position. Successful candidates should possess an earned Ph.D. in engineering or the physical sciences, with strong backgrounds in computational electromagnetics, antennas, nano-scale photonics, metamaterials, and transformation optics. We are particularly seeking creative candidates with a strong expertise and skills in designing, modeling, and prototyping metamaterial and transformation electromagnetics devices in both the RF and optical frequency regimes. Applicants will be considered with a background in one or more of the aforementioned research areas. Excellent written English and oral communication skills are required.

An essential research objective in the CEARL group is focused on the development of metamaterials and transformation optics approaches for advanced antenna applications and novel optical devices. The research involves theoretical, numerical, and experimental study of metamaterials, such as their underlying physics, material engineering, as well as innovative applications to transformation optics devices. A few selected publications from the CEARL group in this area are listed below:


The successful candidate will have the opportunity to work on multiple prestigious projects, which are related but not limited to electromagnetic metamaterials, antennas, and transformation optics. You will be working with a creative team with motivated and productive members, including several postdoctoral researchers and graduate students. The position with CEARL will also provide an excellent opportunity for the candidate to produce high profile publications and achieve substantial professional development. There may also be an opportunity for the candidate to get involved with a small start-up company and assist with writing SBIR/STTR proposals.
The position is expected to be available in January 2013. Due to the project requirement, U.S. Citizens or U.S. Permanent Residents are preferred, but we will not rule out other highly qualified candidates who are not U.S. Citizens or Permanent Residents. Applicants should send full curriculum vitae, along with descriptions of their backgrounds, research interests, publications and contact information for three references, via email, to:

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