Postdoctoral Researcher Openings

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Position 1: RF/Microwave topological insulator metamaterials

Our group is seeking a postdoctoral researcher for conducting experimental research on electronic topological insulator metamaterials. Practical experience with RF / microwave circuits is highly desirable, and familiarity with digital and mixed-signal systems would be a plus. General academic interest in quantum mechanics and fundamental physics is appreciated.

The research project is closely related to the following recent papers from our group --
https://www.nature.com/articles/nature25777
http://advances.sciencemag.org/content/4/6/eaat0232

Position 2: Nonreciprocal photonics

Our group is seeking a postdoctoral researcher for conducting experimental research on nonreciprocal optical physics. Candidates should have experience and interest in fiber photonics and integrated photonics. Direct experience with nanofabrication and a background in acousto-optics or nonlinear optics would be beneficial.

The research project is closely related to the following recent papers from our group --
https://www.osapublishing.org/optica/abstract.cfm?uri=optica-6-8-1016
https://www.nature.com/articles/s41566-017-0075-2
https://www.nature.com/articles/s41467-017-00247-7

Timeline and application

Both of the above positions are available beginning immediately. Interested candidates should contact Prof. Gaurav Bahl with a complete CV, accompanied by a short paragraph highlighting relevant practical experience. Women and students from minority backgrounds are encouraged to apply.