Graduate / Postdoctoral Researcher Openings

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Topic 1: RF/Microwave topological insulator metamaterials

Our group is seeking researchers 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

Topic 2: Nonreciprocal photonics

Our group is seeking researchers 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.