
Job Title	Research Fellow
PVN ID	CC-1905-003098
Category	Research
Location	The CITY COLLEGE of NEW YORK
Department	Electrical Engineering
Status	Full Time
Annual Salary	\$45,000.00 - \$50,000.00
Hour(s) a Week	35
Closing Date	Jul 16, 2019 (Or Until Filled)

General Description

Photonics Materials group at City College of New York is looking for creative and highly qualified candidates fill one full time Research Fellow position in design, fabrication, and optical characterization of topological photonic metamaterials. Successful candidates are expected to have strong experimental and theoretical skills and background in several research areas: nanofabrication, nanoscale optics, plasmonics, metasurfaces, 2D materials, quantum emitters, optomechanics, optoelectronics, or other related topics. Successful candidates should have earned Ph.D. in the physical sciences or engineering related subject, with backgrounds in electromagnetics, optics and photonics, and solid state physics.

The position can be split between two highly qualified candidates with complimentary qualifications in the fields listed above.

Other Duties

Numerical simulations and numerical design of topological photonic metasurfaces.

Nanofabrication of topological photonic structures

Optical characterization of topological photonic metasurfaces and metamaterials

Preparation of manuscripts for publication

Dissemination of research at national and international conferences

Qualifications

PhD in Physics, Physical Sciences, Engineering, or related discipline