

Postdoc position at NRC Canada on attosecond physics in 2D materials

The Joint Attosecond Science Laboratory (JASLab) of the National Research Council of Canada (NRC) and the University of Ottawa (uOttawa) is seeking a motivated postdoc to work on high-field photonics in solids, specifically in quantum and 2-dimensional materials and their heterostructures. The proposed research builds upon our expertise in this subject area and in nanostructured solids [Nature **522**, 462-464 (2015); PRL **115**, 193603 (2015); Optica **6**, 553-556 (2019); Science **357**, 303-306 (2017); Nature Physics **14**, 1006-1010 (2018); Comm. Phys. **3**, 1-6 (2020)].

The candidate will join the team of JASLab (www.attoscience.ca) and be also part of the Joint Center for Extreme Photonics (www.extremephotonics.com), a new high-profile collaboration center between NRC and uOttawa. JASLab is home to cutting-edge ultrafast infrastructure as well as extensive attosecond science knowledge (in theory and experiment). These conditions put the candidate in a position to be highly productive right from the start. The connection with the University of Ottawa is strong, and part of the work will be conducted jointly with groups there, including the Max Planck-uOttawa Center for Extreme and Quantum Photonics (<http://www.mpc-eqp.ca/en/>).

The position is a prestigious NRC Postdoctoral Fellowship and the recipient will enjoy a wide-range of benefits including comprehensive health and dental plans, pension and insurance plans, vacation and other leave entitlements.

The application needs to be submitted through the NRC portal for the job posting, which can be found here:

<https://recruitment-recrutement.nrc-cnrc.gc.ca/job/Ottawa-Postdoctoral-Fellowship-Linking-Van-der-Waals-physics-with-strong-field-photonics-ON/544594217/>

The posting closes on March 19, and the start of the employment is intended to be sometime in 2021 (to be negotiated).

If interested, or for additional information, please don't hesitate and email gvampa@uottawa.ca.

Giulio Vampa (gvampa@uottawa.ca)

Research Officer - National Research Council of Canada, Ottawa

Fellow - Joint Center for Extreme Photonics

Adjunct Professor - University of Ottawa