

Postdoctoral Associate Position

About Western

Western ranks as one of Canada's top research-intensive universities. From fundamental to applied discovery and other scholarly activities, its scholars advance knowledge that provides tangible benefits for the economic, social, health and cultural development of citizens in London, in Canada and around the world. Western Research supports scholars through collaboration, communication, and service. Western University and its affiliate colleges received more than \$267 million in research funding over the past year.

About the Role

Dr. Ayan Sadhu will be hiring a postdoctoral researcher with research experience in Computer Vision, Artificial Intelligence, Digital Twins, Augmented Reality, noncontact sensors, and autonomous systems for infrastructure monitoring and maintenance in Smart Cities and Communities. The candidate will have the opportunity to pursue their research in Dr. Sadhu's newly established CFI-funded Structural Health Monitoring laboratory and Western's Smart Cities and Communities (SCC) Laboratory. The labs are equipped with cameras, drones, robots, Augmented Reality devices, various actuators, data acquisition, and sensor systems. The postdoctoral researcher will be responsible for addressing the technological barriers of SCC associated with advanced sensing technologies using data analytics and artificial intelligence (AI). The candidate will have the opportunity to interact with Western Fellows, International Visiting Fellows, and various leading researchers in the field of SCC.

The current position will be filled in the Department of Western Academy for Advanced Research (**WAFAR**) under the supervision of Dr. Ayan Sadhu who is the Western Fellow and Theme lead of the SCC theme. The candidate will collaborate with other Western Fellows and their postdoctoral researchers and collaborators. They will actively participate and assist in the organization of various workshops, seminars and industry events to be held at Western Campus during the tenure of this position.

The candidate should have their PhD in relevant topics of Smart Cities and Communities in one of the following disciplines: Structural/Electrical and Computer Engineering/Mechatronics with strong background in smart infrastructure, noncontact sensing and AI. If you are interested and have prior publication records in one or more of the above research areas, please reach out to Dr. Sadhu (asadhu@uwo.ca) with your CV, along with three names of references. Only the selected candidates will be invited for a Skype interview. The position is expected to start by Jan 1st 2024 and will continue for one year (Jan-Dec 2024). A standard remuneration package is available for this position.

Western Values Diversity

The University invites applications from all qualified individuals. Western is committed to employment equity and diversity in the workplace and welcomes applications from women, members of racialized groups/visible minorities, Indigenous persons, persons with disabilities, persons of any sexual orientation, and persons of any gender identity or gender expression. Accommodations are available for applicants with disabilities throughout the recruitment process.