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G360 Equipment Technologist

G360 Institute for Groundwater Research

Temporary full-time from April 1, 2019 to March 31, 2021

Hiring #: 2019-0188

Please read the Application Instructions [1] before applying

Established in 2008, the G360 Institute for Groundwater Research (G360) represents the University of Guelph’s response to global challenges relating to safe and sustainable water supplies that support human populations and ecosystems. The G360 Institute is a platform for transformational change in how we think about and engage with stakeholders from the community, government, municipalities, industry, agriculture, and engineering consulting firms, to advance research knowledge, expertise and technology relating to bedrock groundwater systems.

With an annual operating budget of $3-5M, G360 leads multi-institutional, multi-college (within the University of Guelph) and multi-disciplinary collaborative research projects and programs to better understand and manage groundwater flow and contaminant behaviour, and to communicate advances in tools, methods and technologies to the stakeholder community. The Institute hosts: (1) field-based sponsored research on privately owned industrial sites; (2) publicly funded programs and/or large multi-institution collaborations that may be provincial, national or international in scope; (3) a major External Sponsors and Partnership program, The University Consortium for Field-Focused Groundwater Research with numerous Federal and Provincial grants and (4) a globally unique Research Station, the Bedrock Aquifer Field Facility, located at the University of Guelph.

Reporting to the Director and Chief Operating Officer of G360 the G360 Equipment Technologist will play a key role in the management of existing specialty research equipment, but also in the creation of new and/or improved above and below ground research equipment and the mentoring and training of students on the use of this equipment. Key duties include:

- Utilizing your strong mechanical skills and innovative ideas to design, improve designs, build/fabricate and test components for innovative groundwater monitoring devices used both above and below ground such as the multilevel monitoring systems used in G360 activities, work with equipment manufacturers and other G360 staff to create new parts/equipment to solve research challenges, troubleshoot equipment malfunctions and/or design flaws, and work with piping and tubing, pumps, and flow meters and a variety of connective parts
- Utilizing your ability to make things happen in the field to organize and successfully conduct field work which includes but is not limited to multilevel system installations, geophysical logging, water level measurements, rock core sampling, groundwater and gas sampling
- Organizing, documenting and inputting field data into electronic data systems, QA/QC’ing data and preparing raw data outline in figures and tables
- Communicating with G360 Project Managers and team members regarding activities, data and results as required
- Performing maintenance, and working with other G360 personnel to develop design improvements, and determining how to implement new designs for hydrogeological and geophysical tools and methods

Requirements of the position include:
Graduation from a related 3 year Community College program (undergraduate degree preferred) with a major in drilling, mechanical, geological or civil engineering, hydrogeology plus some related field or proven design experience, or an equivalent combination of education and experience

Demonstrated interest in working outdoors in an environment that focuses on innovation and creative problem solving, mentoring and training students

Mechanical aptitude and dexterity

Experience working with varied mechanical equipment

Machining, plumbing, and/or electrical skills are all assets

Appropriate Certified Well Technician license is an asset

Experience working in a research environment is an asset

Classification               Grant/ Trust fund position, Band 5 (Excluded grid)
Normal Hiring Range $23.73 - $26.50 per hour

At the University of Guelph, fostering a culture of inclusion [2] is an institutional imperative. The University invites and encourages applications from all qualified individuals, including from groups that are traditionally underrepresented in employment, who may contribute to further diversification of our Institution.

Posting Date: 2019 03 25
Closing Date: 2019 04 15

Source URL: https://www.uoguelph.ca/hr/careers-guelph/current-opportunities/g360-equipment-technologist

Links
[1] https://www.uoguelph.ca/hr/careers-guelph/how-apply