

Three (3) Assistant Professor positions in water science University of Waterloo

Applications are invited for three tenure-track positions as part of a strategic hiring initiative to strengthen interdisciplinary water research and education at the [University of Waterloo](#). The successful candidates will join the more than 150 faculty members of the [Water Institute](#) from across the University's six faculties. The [Water Institute](#) is committed to addressing society's pressing water issues through research, innovation and knowledge mobilization. The three new full-time faculty positions are in the following areas.

1. ***Integrated hydrosystem modeling I.*** This position will focus on the quantitative modeling of the cycling of water and associated material flows at the watershed scale, in order to inform sustainable management practices to protect surface- and ground-water resources.
2. ***Integrated hydrosystem-modeling II.*** This position will focus on the predictive modeling of the biogeochemical dynamics in rivers, lakes and the coastal areas, and their implications for water quality and ecosystem services from the local to global scale.
3. ***Critical zone hydrology and biogeochemistry.*** This position will focus on the role of soils as biogeochemically active interfaces that modulate exchanges between the atmosphere, hydrosphere and geosphere, in particular in the context of ongoing and future climate and land use changes.

Appointments will be made at the Assistant Professor level. The successful candidates will be hired into the [Department of Earth and Environmental Sciences](#), with the possibility of joint or cross appointments with other departments participating in the [Water Institute](#). The start date for the appointments can be as early as September 1, 2018, but later dates are negotiable. The regular salary range for Assistant Professors at the University of Waterloo is \$78k-\$97k. Negotiations beyond this salary range will be considered for exceptionally qualified candidates.

Applicants must have a PhD in a relevant field and a track record of scientific achievements, as demonstrated by publications in leading journals. Applicants for positions 1 and 2 must have proven expertise in the mathematical and numerical modeling of complex hydrosystems; applicants for position 3 must have strong experimental and field research skills. We are particularly interested in applicants who apply innovative approaches to solving key questions and challenges in water science. The successful candidates will establish internationally recognized, and independently funded, research programs that will enhance and complement the collaborative research portfolios of the [Water Institute](#) and the [Department of Earth and Environmental Sciences](#).

Applicants should have excellent communication skills and a strong commitment to teaching at the undergraduate and post-graduate levels. The [University of Waterloo](#) particularly values faculty members who implement innovative learning methods and actively participate in departmental

curriculum development. The newly hired faculty will also be expected to contribute to the [Water Institute](#)'s graduate level [Collaborative Water Program](#).

Applications must be received by June 15, 2018. Interested applicants should submit a complete curriculum vitae, a research vision statement and a teaching vision statement. They should indicate how they anticipate strengthening and integrating the research and education enterprises of the [Department of Earth and Environmental Sciences](#) and the [Water Institute](#). Each of the vision statements should be no more than two pages in length. A cover letter should indicate for which position the applicant wishes to be considered for as well as the names and full contact information of at least three references. The entire application package should be submitted as a single PDF file to klalbrec@uwaterloo.ca. Informal inquiries can be directed to the department's Chair at drudolph@uwaterloo.ca.

The University of Waterloo respects appreciates and encourages diversity and is committed to accessibility for persons with disabilities. We welcome applications from all qualified individuals including women, members of visible minorities, Aboriginal peoples and persons with disabilities. All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority in the recruitment process.

We thank all applicants for their interest, however, only candidates selected for an interview will be contacted.

“Three reasons to apply: <http://uwaterloo.ca/fauw/why>.”

Signature of Department Chair _____ Date: _____

Signature of Dean _____ Date: _____

Approved: Vice-President Academic & Provost _____ Date: _____

PUBLICATION NOTES:

Information to be included:

1. **Title (maximum 150 characters – less/concise is better) Specify area of research or dept, eg.**
 - Aquatic Microbiology, Tenure-Track Assistant Professor
 - Department of Electrical and Computer Engineering, Chair

2. **Body of advertisement (maximum 1,000 words), include the following information (see sample on next page)** Department/School and Faculty; Title of position; Qualifications required; Nature of duties; Salary Range; Name and address of person to whom applications/inquiries should be sent; Effective date of appointment; Closing date for receipt of application.

Notes:

1. **All advertisements must include the employment equity/accessibility sentences as shown above:**
“The University of Waterloo respects, appreciates ...”; “We welcome ...” and “All qualified candidates ...”
2. **All advertisements must include the following statement:**
“Three reasons to apply: <http://uwaterloo.ca/fauw/why>.”
3. **All advertisements must include the Salary Range and if possible, a specified rank**
4. **Mailing Address/Electronic Submission**
If applications are to be submitted electronically, there is no need to include a mailing address.
5. **Letters of Reference** - References for applicants will only be required for individuals invited for an interview. Departments can go beyond this if they wish and ask for references from all applicants.
6. **Professional Qualifications**
Departments will add a statement to the advertisement if a Professional Designation is required.
7. **Request for sample publication material**
If asking for sample journal articles/book chapters/conference proceedings/etc., be specific. State exactly what you require and how many, e.g. up to three reprints of current journal articles, two preprints, etc.

Body of advertisement (max 1,000 words) CAUT system will not allow ads with more than 1,000 words; ads will be posted exactly as submitted

Updated: August 2017