



DARTMOUTH COLLEGE

Postdoctoral Position in Sea Ice Modeling and Data Assimilation

The Department of Mathematics at Dartmouth College invites applications for at least one postdoctoral appointment with start date August 1, 2023, although earlier start dates are possible. This is a non-tenure track position and is renewable for up to three years contingent upon performance and subject to budgetary approval. The postdoctoral fellow will join a research team on a current MURI project sponsored by the ONR entitled Integrated Foundations of Sensing, Modeling, and Data Assimilation for Sea Ice Prediction. The initial appointment is for 12 months. Salary is set at \$65,508.

The ideal candidate should have a solid background in numerical computation, with expertise in some area related to the project, for example, data assimilation, computational inverse problems, uncertainty quantification, sea ice modeling, image reconstruction and registration. It is also beneficial to have some understanding of related data acquisition technologies, such as synthetic aperture radar, or some similar data modality. While expertise in all of these areas is not expected, programming expertise is essential.

Dartmouth College, a member of the Ivy League, is located in Hanover, New Hampshire (on the Vermont border). Dartmouth has a beautiful, historic campus, located in a scenic area on the Connecticut River. Recreational opportunities abound in all four seasons. The department (math.dartmouth.edu) is home to 22 tenured and tenure-track faculty members as well as 24 visiting scholars and postdoctoral fellows. The Department of Mathematics is in the School of Arts and Sciences, and has a strong PhD program and outstanding undergraduate majors.

The post-doctoral appointee may have the opportunity to teach one or two ten-week courses; contingent on course availability in the Mathematics Department and teaching qualifications. Salary will be adjusted accordingly and set by the Associate Dean of the Arts and Sciences Division.

Dartmouth is highly committed to fostering a diverse and inclusive population of students, faculty, and staff. We are especially interested in applicants who are able to work effectively with students, faculty, and staff from all backgrounds, including but not limited to: racial and ethnic minorities, women, individuals who identify with LGBTQ+ communities, individuals with disabilities, individuals from lower income backgrounds, and/or first-generation college graduates. In addition, we value applicants who have a demonstrated ability to contribute to Dartmouth's undergraduate diversity initiatives in STEM research, such as the Women in Science Program, E.E. Just STEM Scholars Program, and Academic Summer Undergraduate Research Experience (ASURE). Applicants should provide a diversity statement that addresses how their teaching, research, service, and/or life experiences prepare them to advance Dartmouth's commitments to diversity, equity, and inclusion.

Eligibility requires completion of the PhD in mathematical sciences, engineering, or a closely related field before start date. Applicants should submit a curriculum vitae, statement of research plans and interests, and at least three letters of recommendation. Applicants interested in teaching should ensure that at least one referee addresses (potential) teaching ability. If the applicant's native language is not English, the applicant's ability to use English in the classroom should be discussed. The position will remain open until filled; applications completed by December 1, 2022, will receive first consideration.

The application can be submitted through [mathjobs.org #20737](https://mathjobs.org/#20737). General inquiries can be sent to Tracy Moloney, Department of Mathematics, Dartmouth College, 6188 Kemeny Hall, Hanover, New Hampshire 03755-3551. Specific questions on the selection process can be referred to Professor Anne Gelb (annegelb@math.dartmouth.edu) or Professor Yoonsang Lee (yoonsang.lee@dartmouth.edu).

math.dartmouth.edu/activities/recruiting

For additional job openings at Dartmouth College, please see the [Office of the Provost and Human Resources](#).

Equal Employment Opportunity Statement

Dartmouth College is an equal opportunity/affirmative action employer with a strong commitment to diversity and inclusion. We prohibit discrimination on the basis of race, color, religion, sex, age, national origin, sexual orientation, gender identity or expression, disability, veteran status, marital status, or any other legally protected status. Applications by members of all underrepresented groups are encouraged.

Your offer is contingent upon your consent to a pre-employment background check with results acceptable under Dartmouth policy (policies.dartmouth.edu/policy/background-check-policy).

All Dartmouth College employees, whether working on-site or remotely, must be **fully vaccinated** against COVID-19 or receive an approved medical or religious exemption from vaccination through Dartmouth's Office of Institutional Diversity and Equity (IDE). Compliance with the Dartmouth COVID-19 Employee and Appointee Vaccination Policy is a condition of employment and every offer of employment is contingent upon submission of appropriate documentation evidencing either vaccination against COVID-19, or the receipt of an approved exemption. Failure to meet this condition of employment may result in Dartmouth, in its sole discretion, delaying your start date or rescinding its offer of employment. Visit dartgo.org/vaxpolicy to review the Policy and for details and information on requesting an exemption and/or reasonable accommodation.
