



DARTMOUTH COLLEGE

Jack Byrne Professor of Applied Mathematics

The Department of Mathematics at Dartmouth is delighted to announce a senior opening in applied mathematics at the rank of Professor or Associate Professor, with initial appointment as early as 2021–2022, as the Jack Byrne Professor or Associate Professor of Applied Mathematics. In exceptional circumstances we may consider an appointment at the Associate Professor level. A PhD in Mathematics, Statistics, or a related field is required. We seek an acknowledged international leader in applied mathematics with an exemplary track record in creating mathematical and statistical methodological advances and their applications. Current applied and computational interests in the department include complex systems, computational social sciences, image and signal processing, mathematical biology, network analysis, statistical learning, stochastic processes, and uncertainty quantification. Our strength in applied mathematics is complemented by strength in several areas in theoretical mathematics.

This position is part of the larger “Byrne Cluster” comprising two positions in the Department of Mathematics and a recent senior hire in decision sciences in Dartmouth’s top-ranked Tuck School of Business. The Byrne Cluster represents a new investment in the department’s continued efforts to expand its research efforts and related pedagogy in applied mathematics. We seek a candidate with a demonstrated ability to work across fields and bridge multiple research areas both inside and outside the Department of Mathematics, specifically including the Byrne Cluster member of the Tuck School. The Byrne Cluster comes with programmatic funds to support these interdisciplinary goals. In addition to research qualifications, candidates should have a keen interest and demonstrated excellence in teaching and mentorship of both undergraduates and graduate students.

The department math.dartmouth.edu is home to 21 tenured and tenure-track faculty members. Part of the School of Arts and Sciences, the Department of Mathematics has a strong PhD program and outstanding undergraduate majors. Members of the department have collaborative connections across the Arts and Sciences, with the Geisel School of Medicine at Dartmouth, the Thayer School of Engineering, and the Tuck School of Business.

Dartmouth is highly committed to fostering a diverse and inclusive population of students, faculty, and staff. We are especially interested in applicants who can 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. Furthermore, we are interested in applicants who have demonstrated the ability to contribute to Dartmouth’s undergraduate diversity initiatives in STEM research. These include the Women in Science Program, E.E. Just STEM Scholars Program, and Academic Summer Undergraduate Research Experience (ASURE). In their cover letter, applicants should state how their teaching, research, service, and/or life experiences prepare them to advance Dartmouth’s commitment to diversity, equity, and inclusion.

To create an atmosphere supportive of research, Dartmouth offers new faculty members grants for research-related expenses, a quarter of sabbatical leave for each three academic years in residence and flexible scheduling of teaching responsibilities. The teaching responsibility in Mathematics is three courses spread over three of four ten-week terms.

Applicants should submit a letter of application, curriculum vitae, a brief statement of research results and interests, and a brief statement of pedagogical experience and philosophy; and arrange for four letters of reference, at least one of which specifically addresses teaching.

Initiate application at www.mathjobs.org — Position ID: 16253.

General inquiries can be sent to Tracy Moloney, Department Administrator, (tfmoloney@math.dartmouth.edu), 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, Recruiting Chair (Anne.E.Gelb@dartmouth.edu).

Application review will begin December 15, 2020 and continue until the position is filled.

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.

<https://math.dartmouth.edu/activities/recruiting>
