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# Classified Advertisements

*Positions available, items for sale, services available, and more*

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## POSTDOCTORAL FELLOWSHIPS

### ALLIANCE FOR BUILDING FACULTY DIVERSITY IN THE MATHEMATICAL SCIENCES NSF-funded Postdoctoral Fellowships

The Alliance for Building Faculty Diversity in the Mathematical Sciences aims to increase the access of U.S. underrepresented minority groups to academic tenure-track positions. The Alliance offers four NSF-funded Postdoctoral Fellowships beginning Fall 2011 targeted at new or recent minority Ph.D.s. The alliance is comprised of NSF Mathematical Sciences Institutes and seven major research universities with a good record of mentoring underrepresented mathematics graduate students. Successful applicants will show strong research potential and be interested in continuing in a career at a research university.

The postdoctoral fellowships are for three years. A typical 3-year postdoctoral fellow will spend 2 years at one of the alliance universities and up to a year at a national institute if there is a suitable program. Each postdoc will be matched with a research mentor at the host university. The Fellowship salary will be \$60,000 per year plus benefits. In addition the fellows will receive a travel and research allowance.

For more information see: <http://www.math.ncsu.edu/alliance>.

Eligibility. Applicants must be U.S. citizens or permanent residents who have obtained a Ph.D. in mathematics within the last 5 years. Particular attention will be given to U.S. underrepresented minority (U.S. URM) candidates.

The Alliance universities are (listed alphabetically): Arizona State University, Howard University, Iowa State University, North Carolina State University, University of Arizona, University of Iowa and University of Nebraska. The Alliance NSF Mathematical Sciences Institutes are (listed alphabetically): American Institute of Mathematics (AIM), Institute for Mathematics and its Applications (IMA), Institute For Pure and Applied Mathematics (IPAM), Mathematical Biosciences Institute (MBI), Mathematical Sciences Research Institute (MSRI), National Institute for Mathematical and Biological Synthesis (NIMBioS), Park City Mathematics Institute (PCMI/IAS), and Statistical and Applied Mathematical Sciences Institute (SAMSI).

To submit your application materials, go to: <http://www.mathjobs.org/jobs/alliance>. Include a vita, at least three letters of recommendation, and a description of current and planned research. Please also include a short statement to address how your plans fit with the priorities of this program. Applicants are encouraged to consult the Alliance website: <http://www.math.ncsu.edu/alliance> and

provide a list of potential mentors and preferred institutions.

Write to: [alliance@math.ncsu.edu](mailto:alliance@math.ncsu.edu) for questions concerning this position. Applications received by December 15, 2010, will be given priority.

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## CALIFORNIA

### CALIFORNIA INSTITUTE OF TECHNOLOGY Department of Mathematics Harry Bateman Research Instructorships in Mathematics

Description: Appointments are for two years. The academic year runs from approximately October 1 to June 1. Instructors are expected to teach one course per term for the full academic year and to devote the rest of their time to research. During the summer months there are no duties except research.

Eligibility: Open to persons who have recently received their doctorates in mathematics.

Deadline: January 1, 2011.

Application information: Please apply online at: <http://mathjobs.org>. To avoid duplication of paperwork, your application may also be considered for

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**Suggested** uses for classified advertising are positions available, books or lecture notes for sale, books being sought, exchange or rental of houses, and typing services.

**The 2010 rate is** \$3.25 per word. No discounts for multiple ads or the same ad in consecutive issues. For an additional \$10 charge, announcements can be placed anonymously. Correspondence will be forwarded.

Advertisements in the "Positions Available" classified section will be set with a minimum one-line headline, consisting of the institution name above body copy, unless additional headline copy is specified by the advertiser. Headlines will be centered in boldface at no extra charge. Ads will appear in the language in which they are submitted.

There are no member discounts for classified ads. Dictation over the telephone will not be accepted for classified ads.

**Upcoming deadlines** for classified advertising are as follows: December 2010 issue–September 28, 2010; January 2011 issue–October 28, 2010; February 2011 issue–November 29, 2010; March 2011 issue–December 28,

2010; April 2011 issue–January 30, 2011; May 2011 issue–February 28 2011. **U.S. laws prohibit** discrimination in employment on the basis of color, age, sex, race, religion, or national origin. "Positions Available" advertisements from institutions outside the U.S. cannot be published unless they are accompanied by a statement that the institution does not discriminate on these grounds whether or not it is subject to U.S. laws. Details and specific wording may be found on page 1373 (vol. 44).

**Situations wanted advertisements** from involuntarily unemployed mathematicians are accepted under certain conditions for free publication. Call toll-free 800-321-4AMS (321-4267) in the U.S. and Canada or 401-455-4084 worldwide for further information.

**Submission:** Promotions Department, AMS, P.O. Box 6248, Providence, Rhode Island 02940; or via fax: 401-331-3842; or send email to [classified@ams.org](mailto:classified@ams.org). AMS location for express delivery packages is 201 Charles Street, Providence, Rhode Island 02904. Advertisers will be billed upon publication.

an Olga Taussky and John Todd Instructorship.

Caltech is an Affirmative Action/Equal Opportunity Employer. Women, Minorities, Veterans, and Disabled Persons are encouraged to apply.

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**CALIFORNIA INSTITUTE OF TECHNOLOGY**

**Department of Mathematics  
Scott Russell Johnson Senior  
Postdoctoral Scholar in Mathematics**

Description: There are three terms in the Caltech academic year. The fellow is expected to teach one course in two terms each year, and is expected to be in residence even during terms when not teaching. The initial appointment is for three years with an additional three-year terminal extension expected.

Eligibility: Offered to a candidate within six years of having received the Ph.D. who shows strong research promise in one of the areas in which Caltech's mathematics faculty is currently active

Deadline: January 1, 2011.

Application information: Please apply online at: <http://mathjobs.org>. To avoid duplication of paperwork, your application will also be considered for an Olga Taussky and John Todd Instructorship and a Harry Bateman Research Instructorship.

Caltech is an Affirmative Action/Equal Opportunity Employer. Women, Minorities, Veterans, and Disabled Persons are encouraged to apply.

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**CALIFORNIA INSTITUTE OF TECHNOLOGY**

**Department of Mathematics  
Olga Taussky and John Todd  
Instructorships in Mathematics**

Description: Appointments are for three years. There are three terms in the Caltech academic year, and instructors are expected to teach one course in all but two terms of the total appointment. These two terms will be devoted to research. During the summer months there are no duties except research.

Eligibility: Offered to persons within three years of having received the Ph.D. who show strong research promise in one of the areas in which Caltech's mathematics faculty is currently active.

Deadline: January 1, 2011.

Application information: Please apply online at: <http://mathjobs.org>. To avoid duplication of paperwork, your application will also be considered for a Harry Bateman Research Instructorship.

Caltech is an Affirmative Action/Equal Opportunity Employer. Women, Minorities,

Veterans, and Disabled Persons are encouraged to apply.

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**CALIFORNIA INSTITUTE OF TECHNOLOGY**

**Department of Mathematics  
The Division of Physics, Mathematics,  
and Astronomy**

The Division of Physics, Mathematics, and Astronomy at the California Institute of Technology invites applications for a possible tenure-track position in mathematics at the assistant professor level. We are particularly interested in the following research areas: Algebraic Geometry/Number Theory, Analysis/Dynamics, Combinatorics, Finite and Algebraic Groups, Geometry/Topology, Logic/Set Theory, and Mathematical Physics, but other fields may be considered. The term of the initial appointment is normally four years for a tenure-track assistant professor (with a possible extension to as much as seven years). Appointment is contingent upon completion of the Ph.D. Exceptional candidates may also be considered at the associate or full professor level. We are seeking highly qualified applicants who are committed to a career in research and teaching. Applicants should apply online at: <http://mathjobs.org>.

Caltech is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

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**MATHEMATICAL SCIENCES RESEARCH INSTITUTE  
Berkeley, CA**

MSRI invites applications for 40 Research Professors, 200 Research Members, and 30 semester-long Postdoctoral Fellows in the following programs: Quantitative Geometry (August 15 to December 16, 2011), and Random Spatial Processes (January 09, 2012, to May 18, 2012). In addition a very small number of positions may be available as part of our Complementary Program. Research Professorships are intended for senior researchers who will be making key contributions to a program, including the mentoring of postdoctoral fellows, and who will be in residence for three or more months. Research Memberships are intended for researchers who will be making contributions to a program and who will be in residence for one or more months. Postdoctoral Fellowships are intended for recent Ph.D.s. Interested individuals should carefully describe the purpose of their proposed visit, and indicate why a residency at MSRI will advance their research program. To receive full consideration, application must be complete, including all letters of support by the following deadlines: Research Professorships, October 01, 2010; Research

Memberships, December 01, 2010; Postdoctoral Fellowships, December 01, 2010. Application information: [http://www.msri.org/propapps/applications/application\\_material](http://www.msri.org/propapps/applications/application_material). The Institute is committed to the principles of Equal Opportunity and Affirmative Action.

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**UNIVERSITY OF CALIFORNIA  
AT BERKELEY**

**Department of Mathematics  
Berkeley, CA 94720  
Tenured or Tenure-Track Positions**

We invite applications for positions effective July 1, 2011, at either the tenure-track (assistant professor) or tenured (associate or full professor) level, in pure or applied mathematics. Tenure-track applicants are expected to have demonstrated outstanding research potential, normally including major contributions beyond the doctoral dissertation. Tenure applicants are expected to have demonstrated leadership in research. Applications for both tenure-track and tenure must be submitted on [mathjobs.org](http://mathjobs.org) or postmarked by December 1, 2010. UC is an EO/AA employer and is committed to maintaining a diverse and family-friendly work environment. For more information and how to apply, please go to: [http://math.berkeley.edu/employment\\_academic.html](http://math.berkeley.edu/employment_academic.html).

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**UNIVERSITY OF CALIFORNIA  
AT BERKELEY**

**Department of Mathematics  
Temporary Postdoctoral Positions**

We invite applications for several non-tenure-track positions effective July 1, 2011, for candidates with a recent Ph.D. or equivalent in pure mathematics. These positions will be partially supported by the NSF through two Research Training Grants, one in combinatorics, geometry, and representation theory, and one in geometry, topology, and operator algebras. Preference will be given to applicants in these areas. The NSF requires that applicants be citizens, nationals, or permanent residents of the United States, its territories, and its possessions. These are three-year appointments and carry a reduced teaching load of one course per semester, with an annual salary of \$60,000 and an additional stipend of \$10,000 for each of the first two years for summer research.

We also invite applications for the Simons Postdoctoral Fellowship at the University of California, Berkeley, for candidates with a recent Ph.D. in pure or applied mathematics. This is a three-year fellowship and carries a teaching load of one semester course per year, with a

starting salary of \$72,100 and additional funds for research-related expenses.

The University of California is an Equal Opportunity Employer and is committed to maintaining a diverse and family friendly work environment. For more information on these positions, including information on eligibility restrictions, deadlines, and how to apply, see: [http://math.berkeley.edu/employment\\_academic.html](http://math.berkeley.edu/employment_academic.html).

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**UNIVERSITY OF CALIFORNIA,  
LOS ANGELES  
Department of Mathematics  
Faculty Positions  
Academic Year 2011-2012**

The Department of Mathematics solicits applications at the level of tenure-track/tenure faculty with particular emphasis in applied mathematics. Salary is commensurate with the level of experience.

We also plan to make temporary and visiting appointments in the categories 1-5 below. Depending on the level, candidates must give evidence of potential or demonstrated distinction in scholarship and teaching.

(1) E. R. Hedrick Assistant Professorships. Salary is \$61,200 and appointments are for three years. The teaching load is four quarter courses per year.

(2) Computational and Applied Mathematics (CAM) Assistant Professorships. Salary is \$61,200 and appointments are for three years. The teaching load is normally reduced by research funding to two quarter courses per year.

(3) Program in Computing (PIC) Assistant Adjunct Professorships. Salary is \$65,500. Applicants for these positions must show very strong promise in teaching and research in an area related to computing. The teaching load is four one-quarter programming courses each year and one seminar every two years. Initial appointments are for one year and possibly longer, up to a maximum service of four years.

(4) Assistant Adjunct Professorships and Research Postdocs. Normally appointments are for one year, with the possibility of renewal. Strong research and teaching background required. The salary range is \$53,200-\$59,500. The teaching load for adjuncts is six quarter courses per year.

(5) Simons Postdoctoral Fellows. Salary is \$70,000 increased by 3% each year. Appointments are for three years. The teaching load is four courses over the three-year period. Candidates must show exceptional research promise. Simons Postdoctoral Fellowships will be restricted to candidates who receive the Ph.D. in the academic year immediately preceding that in which they would become Simons Postdoctoral Fellows. This position is funded by the Simons Foundation.

If you wish to be considered for any of these positions you must submit an application

and supporting documentation electronically via: <http://www.mathjobs.org>.

For fullest consideration, all application materials should be submitted on or before December 8, 2010. Ph.D. is required for all positions.

UCLA and the Department of Mathematics have a strong commitment to the achievement of excellence in teaching and research and diversity among its faculty and staff. The University of California is an Equal Opportunity/Affirmative Action Employer. The University of California asks that applicants complete the Equal Opportunity Employer survey for Letters and Science at the following URL: <http://cis.ucla.edu/facultysurvey>. Under Federal law, the University of California may employ only individuals who are legally authorized to work in the United States as established by providing documents specified in the Immigration Reform and Control Act of 1986.

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**UNIVERSITY OF CALIFORNIA,  
SAN DIEGO  
Department of Mathematics  
2010-2011 Faculty Positions**

The Department of Mathematics, within the Division of Physical Sciences at the University of California, San Diego, <http://www.math.ucsd.edu>, is committed to academic excellence and diversity within its faculty, staff, and student body. The department is seeking applications for 3 tenure-track positions from candidates whose research, teaching, or service has prepared them to contribute to our commitment to diversity and inclusion in higher education. We encourage applications from every area of pure mathematics, applied mathematics, and statistics. We anticipate that one of the positions will be filled in statistics or related areas of applied probability, and one in the areas of algebra, representation theory, or algebraic combinatorics. One position is open to applicants from all areas. Applicants for all positions must possess a Ph.D. and should have outstanding accomplishments in both research and teaching. Successful candidates will be judged both on research accomplishments and potential for leadership in areas related to diversity. Applicants are required to summarize their past or potential contributions to diversity in a personal statement. The appointments are expected to be at the assistant professor level. The level of appointment will be based on qualifications with appropriate salary per UC pay scales. The starting date for the positions, pending funding approval, will be July 1, 2011. To receive full consideration, applications should be submitted online through: <http://www.mathjobs.org/> by November 1, 2010. For instructions on what to submit, see: <http://www.math.ucsd.edu/about/employment/faculty>.

In compliance with the Immigration Reform and Control Act of 1986, individuals offered employment by the University of California will be required to show documentation to prove identity and authorization to work in the United States before hiring can occur. UCSD is an Equal Opportunity/Affirmative Action Employer with a strong institutional commitment to excellence and achievements of diversity among its faculty and staff.

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**CONNECTICUT**

**YALE UNIVERSITY  
J. Willard Gibbs  
Assistant Professorships  
in Mathematics 2011-12**

The Gibbs Assistant Professorships are intended primarily for men and women who received the Ph.D. degree and show definite promise in research in pure or applied mathematics. Appointments are for three years. The salary will be at least \$70,000. Each recipient of a Gibbs Assistant Professorship will be given a moving allowance based on the distance to be moved.

The teaching load for Gibbs Assistant Professors will be kept light, so as to allow ample time for research. This will consist of three one-semester courses per year. Part of the duties may consist of a one-semester course at the graduate level in the general area of the instructor's research. Yale is an Affirmative Action/Equal Opportunity Employer. Qualified Women and members of minority groups are encouraged to apply. Submit applications and supporting material through: <http://MathJobs.org>; email: [gibbs.committee@math.yale.edu](mailto:gibbs.committee@math.yale.edu) by January 1, 2011. Submit inquiries to: [gibbs.committee@yale.edu](mailto:gibbs.committee@yale.edu). Offers expected to be made in early February 2011.

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**ILLINOIS**

**THE UNIVERSITY OF CHICAGO  
Department of Mathematics**

The University of Chicago Department of Mathematics invites applications for the following positions: 1. L. E. Dickson Instructor: This is open to mathematicians who have recently completed or will soon complete a doctorate in mathematics or a closely related field, and whose work shows remarkable promise in mathematical research and teaching. The appointment typically is for two years, with the possibility of renewal for a third year. The teaching obligation is up to four one-quarter courses per year. 2. Simons Fellow (at the rank of Dickson Instructor): This is open to candidates who receive the Ph.D. within the period

September 1, 2010, through August 31, 2011. The duration of the fellowship is three years, and the teaching obligation is four one-quarter courses during the three year fellowship. This appointment would be at the University's rank of Dickson Instructor but would also carry the title of Simons Fellow within the Department of Mathematics. 3. Assistant Professor: This is open to mathematicians who are further along in their careers, typically two or three years past the doctorate. These positions are intended for mathematicians whose work has been of outstandingly high caliber. Appointees are expected to have the potential to become leading figures in their fields. The appointment is generally for three years, with a teaching obligation of three one-quarter courses per year. Applicants will be considered for any of the positions above which seem appropriate. Complete applications consist of (a) a cover letter, (b) a curriculum vitae, (c) three or more letters of reference, at least one of which addresses teaching ability, and (d) a description of previous research and plans for future mathematical research. Applicants are strongly encouraged to include information related to their teaching experience, such as a teaching statement or evaluations from courses previously taught, as well as an AMS cover sheet. If you have applied for an NSF Mathematical Sciences Postdoctoral Fellowship, please include that information in your application, and let us know how you plan to use it if awarded. If you are eligible for the Simons Fellowship and wish to be considered for it, please indicate this in your cover letter. Applications must be submitted online through: <http://www.mathjobs.org>. Questions may be directed to: [apptsec@math.uchicago.edu](mailto:apptsec@math.uchicago.edu). We will begin screening applications on December 1, 2010. Screening will continue until all available positions are filled. The University of Chicago is an Equal Opportunity/Affirmative Action Employer.

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## LOUISIANA

### LOUISIANA STATE UNIVERSITY Department of Mathematics POSTDOCTORAL RESEARCHER (Anticipated/NSF VIGRE/Two positions)

The Department of Mathematics at Louisiana State University invites applications for two anticipated National Science Foundation Vertical Integration of Research and Education (NSF VIGRE) Postdoctoral Researcher positions. Applications are invited for positions in the areas of geometric analysis, geometry and topology, algebra, analysis, applied mathematics, and combinatorics. Required Qualifications: Ph.D. or an equivalent degree in mathematics or a related area. A.B.D. candidates will be considered, but must have Ph.D. by August 2011. Additional Qualifications Desired: Research excellence as

well as a commitment to graduate and undergraduate education. Special Requirements: As required by the VIGRE grant, postdoctoral researchers must be U.S. citizens, U.S. nationals, or U.S. permanent residents. An offer of employment is contingent on a satisfactory pre-employment background check. We will begin reviewing applications on January 18, 2011, and will continue to review applications until the positions are filled. Minorities and women are strongly encouraged to apply. Apply online and view a more detailed ad at: <http://www.lsu.systemcareers.lsu.edu>. Position #000813 and #015716. LSU system is an Equal Opportunity/Equal Access Employer.

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## MARYLAND

### JOHNS HOPKINS UNIVERSITY Department of Mathematics Non-Tenure-Track J. J. Sylvester Assistant Professor

Subject to availability of resources and administrative approval, the Department of Mathematics solicits applications for non-tenure-track assistant professor positions beginning fall 2011.

The J. J. Sylvester Assistant Professorship is a three-year position offered to recent Ph.D.s with outstanding research potential. Candidates in all areas of pure mathematics, including analysis, mathematical physics, geometric analysis, complex and algebraic geometry, number theory, and topology are encouraged to apply. The teaching load is three courses per academic year.

**To submit your applications go to [www.mathjobs.org/jobs/jhu](http://www.mathjobs.org/jobs/jhu). Applicants are strongly advised to submit their other materials electronically at this site.**

If you do not have computer access, you may mail your application directly to: Appointments Committee, Department of Mathematics, Johns Hopkins University, 404 Krieger Hall, Baltimore, MD 21218. Application should include a vita, at least four letters of recommendation of which one specifically comments on teaching, and a description of current and planned research. Write to: [cpool@jhu.edu](mailto:cpool@jhu.edu) for questions concerning these positions. Applications received by November 15, 2010, will be given priority. The Johns Hopkins University is an Affirmative Action/Equal Opportunity Employer. Minorities and women candidates are encouraged to apply.

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## MASSACHUSETTS

### BOSTON COLLEGE Department of Mathematics Tenure-Track Positions

The Department of Mathematics at Boston College invites applications for four tenure-track positions at the level of assistant professor beginning in September 2011, two in Number Theory or related areas, including Algebraic Geometry and Representation Theory; and two in Geometry/Topology or related areas. In exceptional cases, a higher-level appointment may be considered. The teaching load for each position is three semester courses per year.

Requirements include a Ph.D. or equivalent in mathematics awarded in 2009 or earlier, a record of very strong research combined with outstanding research potential, and demonstrated excellence in teaching mathematics.

A completed application should contain a cover letter, a description of research plans, a statement of teaching philosophy, curriculum vitae, and at least four letters of recommendation. One or more of the letters of recommendation should directly comment on the candidate's teaching credentials.

Applications completed no later than November 1, 2010, will be assured our fullest consideration. Please submit all application materials through: <http://MathJobs.org>.

Applicants may learn more about the department, its faculty, and its programs, and about Boston College at: <http://www.bc.edu/math>. Electronic inquiries concerning these positions may be directed to: [math-search@bc.edu](mailto:math-search@bc.edu). Boston College is an Affirmative Action/Equal Opportunity Employer. Applications from women, minorities, and individuals with disabilities are encouraged.

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### BOSTON COLLEGE Department of Mathematics Postdoctoral Position

The Department of Mathematics at Boston College invites applications for a postdoctoral position beginning September 2011. This position is intended for a new or recent Ph.D. with outstanding potential in research and excellent teaching. This is a 3-year Visiting Assistant Professor position, and carries a 2-1 annual teaching load. Research interests should lie within Number Theory or Representation Theory or related areas. Candidates should expect to receive their Ph.D. prior to the start of the position and have received the Ph.D. no earlier than spring 2010.

Applications must include a cover letter, description of research plans, curriculum vitae, and four letters of recommendation, with one addressing the candidate's teaching qualifications. Applications received

no later than January 1, 2011, will be assured our fullest consideration. Please submit all application materials through: <http://MathJobs.org>.

Applicants may learn more about the department, its faculty, and its programs and about Boston College at <http://www.bc.edu/math>. Email inquiries concerning this position may be directed to: [post-doc-search@bc.edu](mailto:post-doc-search@bc.edu). Boston College is an Affirmative Action/Equal Opportunity Employer. Applications from women, minorities, and individuals with disabilities are encouraged.

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**MASSACHUSETTS INSTITUTE OF TECHNOLOGY**  
**Department of Mathematics**  
**Positions for Faculty and Instructors**

The Mathematics Department at MIT is seeking to fill positions in Pure and Applied Mathematics and Statistics, at the level of Simons Postdoctoral Fellow, Instructor, Assistant Professor, and higher, beginning September 2011. Appointments are based primarily on exceptional research qualifications. Appointees will be expected to fulfill teaching duties and to pursue their own research program. A Ph.D. is required by the employment start date.

For more information, and to apply, please visit <http://www.mathjobs.org>.

To receive full consideration, please submit applications by December 1, 2010. Recommendations should be submitted through: <http://mathjobs.org> but may also be sent as PDF attachments to: [email: hiring@math.mit.edu](mailto:hiring@math.mit.edu), or as paper copies mailed to: Mathematics Search Committee, Room 2-345, Department of Mathematics, MIT, 77 Massachusetts Ave., Cambridge, MA 02139-4307.

Please do not mail or email duplicates of items already submitted via <http://mathjobs.org>.

MIT is an Equal Opportunity, Affirmative Action Employer.

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**NEW HAMPSHIRE**

**DARTMOUTH COLLEGE**  
**John Wesley Young Research**  
**Instructorships**

The John Wesley Young Instructorship is a postdoctoral, two- to three-year appointment intended for promising Ph.D. graduates with strong interests in both research and teaching and whose research interests overlap a department member's. Current research areas include numerical analysis, complex systems, combinatorics, geometry, logic, non-commutative geometry, number theory, operator algebras, probability, set theory and topology. Instructors teach four ten-week courses

distributed over three terms, though one of these terms in residence may be free of teaching. The assignments normally include introductory, advanced undergraduate, and graduate courses. Instructors usually teach at least one course in their own specialty. This appointment is for 26 months with a monthly salary of \$4,833 and a possible 12 month renewal. Salary includes two-month research stipend for Instructors in residence during two of the three summer months. To be eligible for a 2011-2014 Instructorship, candidate must be able to complete all requirements for the Ph.D. degree before September 2011. Applications may be obtained at: <http://www.math.dartmouth.edu/activities/recruiting/> or <http://www.mathjobs.org>. Position ID:JWY # 2240. General inquiries can be directed to Annette Luce, Department of Mathematics, Dartmouth College, 6188 Kemeny Hall, Hanover, New Hampshire 03755-3551. At least one referee should comment on applicant's teaching ability; at least two referees should write about applicant's research ability. Applications received by January 5, 2011, receive first consideration; applications will be accepted until position is filled. Dartmouth College is committed to diversity and strongly encourages applications from women and minorities. There are 2 positions available to fill.

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**NEW JERSEY**

**PRINCETON UNIVERSITY**  
**School of Mathematics**  
**Institute for Advanced Study**

The School of Mathematics has a limited number of memberships, some with financial support, for research in mathematics and computer science at the Institute during the 2011-2012 academic year.

During the 2011-2012 academic year, Professors Helmut Hofer of the Institute and John Mather of Princeton University will lead a program on symplectic dynamics. There will be weekly seminars and a couple of workshops.

The mathematical theory of dynamical systems provides tools to understand the complex behavior of many important physical systems. Of particular interest are Hamiltonian systems. Since Poincaré's fundamental contributions, many mathematical tools have been developed to understand such systems. Surprisingly these developments led to the creation of two seemingly unrelated mathematical disciplines: the field of dynamical systems and the field of symplectic geometry. In view of the significant advances in both fields, it seems timely to have a program that aims at the development of the common core, which potentially should lead to a new field with highly integrated ideas from both disciplines. Of particular

interest will be the study of dynamics of area-preserving disk maps, the ramifications of new symplectic techniques in three-dimensional hydrodynamics, as well as questions about the utility of the symplectic pseudoholomorphic curve techniques in questions related to KAM and Aubry-Mather theory.

Recently the School established the von Neumann Fellowships, and up to six of these fellowships will be available for the 2011-2012 year. To be eligible for a von Neumann Fellowship, applicants should be at least five, but no more than fifteen, years following the receipt of their Ph.D.

The Veblen Research Instructorship is a three-year position which the School of Mathematics and the Department of Mathematics at Princeton University established in 1998. Three-year instructorships will be offered each year to candidates in pure and applied mathematics who have received their Ph.D. within the last three years. The first and third year of the instructorship will be spent at Princeton University and will carry regular teaching responsibilities. The second year will be spent at the Institute and dedicated to independent research of the instructor's choice.

Application materials may be requested from Applications, School of Mathematics, Institute for Advanced Study, Einstein Drive, Princeton, NJ 08540; email: [applications@math.ias.edu](mailto:applications@math.ias.edu). After June 1, 2010, applications may be made online at: <http://applications.ias.edu/login.php>. Application deadline is December 1, 2010. You can also see our listing on <http://www.mathjobs.org>.

The Institute for Advanced Study is committed to diversity and strongly encourages applications from women and minorities.

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**NEW YORK**

**CLARKSON UNIVERSITY**  
**Department of Mathematics**

The Department of Mathematics, <http://www.clarkson.edu/math>, invites applications for a tenure-track position as assistant or associate professor in statistics starting in August 2011.

Responsibilities will include teaching undergraduate and graduate level mathematics courses, and directing graduate students. Minimum requirements are a Ph.D. in statistics/mathematics by the date of appointment, demonstrated excellence in both research potential and teaching ability, and fluency in English. In addition, the candidate should be able to interact with other faculty in the department and the university.

Electronic applications may be sent to: <http://www.clarkson.edu>. Completed applications will be reviewed starting immediately. Women and minorities are

urged to apply. Clarkson University is an AA/EEO Employer. (Pos. # 192).

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**SIENA COLLEGE**  
**Department of Mathematics**  
**Assistant Professor of Mathematics**

The Department of Mathematics of Siena College invites applications for two tenure-track positions in any area of mathematics beginning fall 2011. A successful candidate should hold a Ph.D. in mathematics and must have a demonstrated ability to maintain both an active research program and the highest standards of excellence in teaching. All application materials, including three letters of reference, should be submitted through <http://www.mathjobs.org>, the AMS service. We will begin reviewing completed applications on December 1, 2010. Siena College is an Equal Opportunity Employer and encourages applications from all qualified candidates.

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**NORTH CAROLINA**

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**WAKE FOREST UNIVERSITY**  
**Department of Mathematics**

Applications are invited for one or more Teacher Scholar Postdoctoral Fellow positions in mathematics beginning July 2011. We seek highly qualified candidates who have a commitment to excellence in both teaching and research. Primary consideration will be given to candidates whose research interests overlap with existing faculty. A Ph.D. in mathematics or a related area is required. The department has 20 members and offers both a B.A. and a B.S. in mathematics, with an optional concentration in statistics, a B.S. in interdisciplinary mathematics, and a B.S. in each of mathematical business and mathematical economics. The department has a graduate program offering an M.A. in mathematics. A complete application will include a letter of application, curriculum vitae, teaching statement, research statement, graduate transcripts, and three letters of recommendation. The letter of application should explain why the teaching and research environment at Wake Forest is a good fit for the candidate. Review of applications will begin on January 1, 2011, and will continue until the positions are filled. Applicants are encouraged to post materials electronically at: <http://www.mathjobs.org>. Hard copy can be sent to Stephen Robinson, Wake Forest University, Department of Mathematics, P.O. Box 7388, Winston-Salem, NC 27109. (sbr@wfu.edu; <http://www.math.wfu.edu>) AA/EEO employer.

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**WAKE FOREST UNIVERSITY**  
**Department of Mathematics**

Applications are invited for one tenure-track position in statistics at the assistant professor level beginning July 2011. In exceptional cases applications at a level higher than assistant professor may be considered. We seek highly qualified candidates who have a commitment to excellence in both teaching and research. A Ph.D. in statistics or a closely related area is required. The department has 20 members and offers both a B.A. and a B.S. in mathematics, with an optional concentration in statistics, a B.S. in interdisciplinary mathematics, and a B.S. in each of mathematical business and mathematical economics. The department has a graduate program offering an M.A. in mathematics. A complete application will include a letter of application, curriculum vitae, teaching statement, research statement, graduate transcripts, and three letters of recommendation. The review of applications will begin on December 1, 2010, and will continue until the position is filled. Applicants are encouraged to post materials electronically at: <http://www.mathjobs.org>. Hard copy can be sent to Stephen Robinson, Wake Forest University, Department of Mathematics, P.O. Box 7388, Winston-Salem, NC 27109. (sbr@wfu.edu; <http://www.math.wfu.edu>) AA/EEO Employer.

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**OHIO**

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**THE OHIO STATE UNIVERSITY**  
**Department of Mathematics**  
**Columbus, Ohio**  
**Faculty, Mathematical Biology**

The Department of Mathematics invites applications for a tenure-track position in mathematical biology in the College of Arts and Sciences. The search is open to all areas in mathematical biology. The appointee will be part of a growing faculty in the area of mathematical biology at Ohio State with opportunity to participate in the NSF-funded Mathematical Biosciences Institute. A Ph.D. in an area such as mathematical sciences, biomathematics, biology, chemistry, computer science, physics, and engineering is required.

Applicants should submit their curriculum vita, statement of research and teaching interests, and three references online to: <http://www.mathjobs.org>. Questions concerning this position can be directed to:

Chair of the Mathematics Biology  
Search Committee  
Mathematical Biosciences Institute  
1735 Neil Avenue

Columbus, OH 43210;  
email: [search@mbi.osu.edu](mailto:search@mbi.osu.edu).

Review of applications begins October 15, 2010, and will continue until a suitable candidate is hired.

To build a diverse workforce Ohio State encourages applications from minorities, veterans, women, and individuals with disabilities. Flexible work options are available. EEO/AA employer. Ohio State is an NSF ADVANCE Institution.

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**THE OHIO STATE UNIVERSITY**  
**Department of Mathematics**  
**Columbus, Ohio**  
**Faculty, Algebraic Geometry or Analysis**

The Department of Mathematics in the College of Arts and Sciences at The Ohio State University anticipates having a position available in algebraic geometry or analysis, rank open, effective autumn quarter 2011. Candidates are expected to have a Ph.D. in mathematics (or related areas) and to present evidence of excellence in teaching and research. Further information about the department can be found at: <http://www.math.ohio-state.edu>.

Applications should be submitted online at: <http://www.mathjobs.org>. If you cannot apply online, please contact: [facultysearch@math.ohio-state.edu](mailto:facultysearch@math.ohio-state.edu) or write to: Hiring Committee, Department of Mathematics, The Ohio State University, 231 W. 18th Avenue, Columbus, OH 43210.

Applications will be considered on a continuing basis, but the annual review process begins November 15, 2010.

To build a diverse workforce, Ohio State encourages applications from minorities, veterans, women, and individuals with disabilities. Flexible work options available. EEO/AA Employer.

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**THE OHIO STATE UNIVERSITY**  
**Department of Mathematics**  
**Columbus, Ohio**  
**Faculty, Combinatorics**

The Department of Mathematics in the College of Arts and Sciences at The Ohio State University anticipates having a position available in combinatorics, rank open, effective autumn quarter 2011. Candidates are expected to have a Ph.D. in mathematics (or related areas) and to present evidence of excellence in teaching and research. Further information about the department can be found at: <http://www.math.ohio-state.edu>.

Applications should be submitted online at: <http://www.mathjobs.org>. If you cannot apply online, please contact: [facultysearch@math.ohio-state.edu](mailto:facultysearch@math.ohio-state.edu) or write to: Hiring Committee, Department of Mathematics, The Ohio State University,

231 W. 18th Avenue, Columbus, OH 43210.

Applications will be considered on a continuing basis, but the annual review process begins November 15, 2010.

To build a diverse workforce, Ohio State encourages applications from minorities, veterans, women, and individuals with disabilities. Flexible work options available. EEO/AA Employer.

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**THE OHIO STATE UNIVERSITY**  
**Department of Mathematics**  
**Columbus, Ohio**  
**Faculty, Applied Probability/Financial**  
**Mathematics**

The Department of Mathematics in the College of Arts and Sciences at The Ohio State University anticipates having a position available in applied probability/financial mathematics, rank open, effective autumn quarter 2011. Candidates are expected to have a Ph.D. in mathematics (or related areas) and to present evidence of excellence in teaching and research. Further information about the department can be found at: <http://www.math.ohio-state.edu>.

Applications should be submitted online at: <http://www.mathjobs.org>. If you cannot apply online, please contact: [facultysearch@math.ohio-state.edu](mailto:facultysearch@math.ohio-state.edu) or write to: Hiring Committee, Department of Mathematics, The Ohio State University, 231 W. 18th Avenue, Columbus, OH 43210.

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**OKLAHOMA**

**THE UNIVERSITY OF OKLAHOMA**  
**Department of Mathematics**

Applications are invited for one or more full-time, tenure-track positions in mathematics education beginning August 16, 2011. The initial appointment is expected to be at the assistant professor level, but an appointment at the associate professor level may be possible for an exceptional candidate with qualifications and experience appropriate to that rank. Normal duties consist of teaching two courses per semester; conducting research; and rendering service to the department, university, and profession at a level appropriate to the faculty member's experience. The position requires an earned doctorate in mathematics or in education with a mathematics specialization. A strong background in mathematics beyond the Master's level is also required.

The Mathematics Department at the University of Oklahoma offers a Doctoral Degree in Research in Undergraduate Mathematics Education. Candidates should be capable of directing doctoral students and contributing leadership

to this program. Responsibilities will include involvement with undergraduate mathematics courses and with both undergraduate and graduate courses in mathematics education. Preference will be given to those whose research interests are compatible with those of existing faculty.

Salary and benefits are competitive. For full consideration, applicants should send a completed AMS cover sheet, curriculum vitae, a description of current and planned research, and have three letters of recommendation (at least one of which must address the applicant's teaching experience and proficiency) sent to:

Search Committee  
 Department of Mathematics  
 The University of Oklahoma  
 601 Elm, PHSC 423  
 Norman, OK 73019-0315;  
 Phone: 405-325-6711;  
 FAX: 405-325-7484;  
 email: [search@math.ou.edu](mailto:search@math.ou.edu)

Applications may also be submitted online through: <http://mathjobs.org>.

Screening of applications will begin on November 15, 2010, and will continue until the position is filled.

The University of Oklahoma is an Equal Opportunity/Affirmative Action Employer. Women and Minorities are encouraged to apply.

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**UNIVERSITY OF TULSA**  
**Mathematical Sciences**  
**Tenure-Track Assistant Professor**

The University of Tulsa invites applications for a tenure-track position at the rank of assistant professor in the Department of Mathematical Sciences beginning fall 2011. Requirements include a Ph.D. in mathematical sciences, a commitment to teaching excellence at undergraduate and graduate levels and potential for productive research in applied mathematics. Preference will be given to candidates with research in applied analysis.

The Department of Mathematical Sciences offers the B.S. and M.S. in mathematics and applied mathematics. Current faculty research areas include applied analysis, numerical methods, mathematical physics, and mathematical statistics.

The University of Tulsa is a privately endowed university ranked in the top 100 doctoral universities by *U.S. News and World Report*. See more details at: <http://www.utulsa.edu>.

Review of applications will begin immediately and will continue until the position is filled.

The University of Tulsa is an Affirmative Action/Equal Opportunity Employer and strongly encourages applications from candidates who will enhance the diversity of our faculty.

Applicants should submit a CV, a letter of interest, three letters of recommendation

and a statement addressing teaching philosophy and research interests to: William Coberly, Department of Mathematical Sciences, The University of Tulsa, 800 S. Tucker Drive, Tulsa, OK 74104, phone: (918) 631-2228. Email submission is preferred: [coberly@utulsa.edu](mailto:coberly@utulsa.edu).

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**PENNSYLVANIA**

**UNIVERSITY OF PITTSBURGH**  
**Department of Mathematics**  
**Applied Analysis**

The Mathematics Department of the University of Pittsburgh invites applications for a tenure-track position in the general area of applied analysis to begin in the fall term 2011, pending budgetary approval. The appointment is at the assistant or associate professor level, depending on the credentials of the applicant. A Ph.D. in mathematical sciences or a closely related discipline is required. We seek excellence in teaching and research so applicants should demonstrate substantial research accomplishment and dedication to teaching. Submit a vita, three letters of recommendation, a research statement and evidence of teaching accomplishments electronically through <http://www.mathjobs.org>. If the candidate is unable to submit electronically, materials may be sent to: Search Committee in Applied Analysis, Department of Mathematics, University of Pittsburgh, Pittsburgh, PA 15260. Review of completed files will begin on November 15, 2010, and continue until the position is filled. The University of Pittsburgh is an Affirmative Action, Equal Opportunity Employer. Women and members of minority groups underrepresented in academia are especially encouraged to apply.

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**UNIVERSITY OF PITTSBURGH**  
**Department of Mathematics**  
**Differential Geometry**

The Mathematics Department of the University of Pittsburgh invites applications for a tenure-track position in differential geometry to begin in the fall term 2011, pending budgetary approval. The appointment is at the assistant professor level. A Ph.D. in mathematical sciences or a closely related discipline is required. We seek excellence in teaching and research so applicants should demonstrate substantial research accomplishment and dedication to teaching. Submit a vita, three letters of recommendation, a research statement and evidence of teaching accomplishments electronically through: <http://www.mathjobs.org>. If the candidate is unable to submit electronically, materials may be sent to: Search Committee in Differential Geometry, Department of

Mathematics, University of Pittsburgh, Pittsburgh, PA 15260. Review of completed files will begin on November 15, 2010, and continue until the position is filled. The University of Pittsburgh is an Affirmative Action, Equal Opportunity Employer. Women and members of minority groups underrepresented in academia are especially encouraged to apply.

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**UNIVERSITY OF PITTSBURGH**  
**Department of Mathematics**  
**Non-Tenure-Stream Positions in**  
**Mathematics**

The Mathematics Department of the University of Pittsburgh invites applications for a non-tenure-stream position to begin in the fall term 2011, pending budgetary approval. A Ph.D. in mathematical sciences or a closely related discipline is preferred and at least a Masters' degree is required. The appointment is at the assistant instructor level or above, depending on the credentials of the applicant. We seek excellence in teaching. Send a vita, three letters of recommendation, and a teaching portfolio including a statement of teaching philosophy, sample course syllabi and assignments, and evaluations of teaching by students or supervisors, electronically through: <http://www.mathjobs.org>. If the candidate is unable to submit electronically, materials may be sent to: NTS Search Committee, Department of Mathematics, University of Pittsburgh, Pittsburgh, PA 15260. Review of completed files will begin on December 15, 2010, and continue until the position is filled. The University of Pittsburgh is an Affirmative Action, Equal Opportunity Employer. Women and members of minority groups underrepresented in academia are especially encouraged to apply.

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**UNIVERSITY OF PITTSBURGH**  
**Department of Mathematics**  
**Probability and Stochastic PDEs**

The Mathematics Department of the University of Pittsburgh invites applications for a tenure-track position in probability and stochastic PDEs to begin in the fall term 2011, pending budgetary approval. Interest in mathematical finance is a plus. The appointment is at the assistant or associate professor level, depending on the credentials of the applicant. A Ph.D. in mathematical sciences or a closely related discipline is required. We seek excellence in teaching and research so applicants should demonstrate substantial research accomplishment and dedication to teaching. Submit a vita, three letters of recommendation, a research statement and evidence of teaching accomplishments electronically through: <http://www.mathjobs.org>. If the candidate is unable to submit electronically, materials

may be sent to: Search Committee in Stochastic PDEs, Department of Mathematics, University of Pittsburgh, Pittsburgh, PA 15260. Review of completed files will begin on November 15, 2010, and continue until the position is filled. The University of Pittsburgh is an Affirmative Action, Equal Opportunity Employer. Women and members of minority groups underrepresented in academia are especially encouraged to apply.

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**TENNESSEE**

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**VANDERBILT UNIVERSITY**  
**Department of Mathematics**  
**Nashville, Tennessee**  
**Tenured Faculty Position**

The Department of Mathematics at Vanderbilt University invites applications for a position at the tenured level beginning fall 2011. Exceptional candidates from any area of pure or applied mathematics are encouraged to apply, but priority will be given to applicants in the research areas of the department or number theory and algebraic geometry. The department especially encourages applications from women and minorities.

We are looking for individuals with an outstanding record in research and demonstrated excellence in teaching. Salaries are competitive and are based on credentials. Qualified candidates should submit their application materials electronically through the AMS website: [www.MathJobs.org](http://www.MathJobs.org) via the URL <http://www.mathjobs.org/jobs>. Alternatively, application materials may be sent to:

Faculty Hiring Committee  
Vanderbilt University  
Department of Mathematics  
1326 Stevenson Center  
Nashville, TN 37240

These materials should include a letter of application, a curriculum vitae, a publication list, a description of current and planned research, at least four letters of recommendation, and the AMS Cover Sheet. One of the letters must discuss the applicant's teaching qualifications.

Reference letter writers should be asked to submit their letters online through [MathJobs.org](http://www.MathJobs.org). In addition to the letters, applicants should also include five names of suggested reviewers. Evaluation of the applications will commence on December 1, 2010, and continue until the position is filled.

For information about the Department of Mathematics at Vanderbilt University please consult the Web at: <http://www.math.vanderbilt.edu/>.

Vanderbilt is an Equal Employment Opportunity/Affirmative Action Employer.

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**VANDERBILT UNIVERSITY**  
**Department of Mathematics**  
**Nashville, Tennessee**  
**Non-Tenure-Track Assistant Professor**  
**Positions**

We invite applications for several visiting and non-tenure-track assistant professor positions in the research areas of the Mathematics Department beginning fall 2011. These positions will have variable terms and teaching loads. We anticipate several non-tenure-track assistant professorships which will be three-year appointments with a 2-2 teaching load.

We are looking for individuals with outstanding research potential and a strong commitment to excellence in teaching. Preference will be given to recent doctorates. Submit your application and supporting materials electronically through the AMS website: [MathJobs.org](http://www.MathJobs.org) via the URL <http://www.mathjobs.org/jobs>. Alternatively, application materials may be sent to:

NTT Appointments Committee  
Vanderbilt University  
Department of Mathematics  
1326 Stevenson Center  
Nashville, TN 37240

These materials should include a letter of application, a curriculum vitae, a publication list, a research statement, a teaching statement, four letters of recommendation, and the AMS Cover Sheet. One of the letters must discuss the applicant's teaching qualifications. Reference letter writers should be asked to submit their letters electronically through the AMS website [MathJobs.org](http://www.MathJobs.org). Evaluation of the applications will commence on December 1, 2010, and continue until the positions are filled.

For information about the Department of Mathematics at Vanderbilt University please consult the web at: <http://www.math.vanderbilt.edu/>.

Vanderbilt is an Equal Employment Opportunity/Affirmative Action Employer. Women and minorities are especially invited to apply.

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**VANDERBILT UNIVERSITY**  
**Department of Mathematics**  
**Nashville, Tennessee**  
**Senior Lecturer Position**

We invite applications for one senior lecturer position beginning fall 2011. This position will carry a teaching load of 3 courses per semester. Typically, a senior lecturer will teach precalculus or calculus courses.

We are looking for individuals with a Ph.D. in mathematics who have an outstanding record in teaching calculus and a strong commitment to excellence in teaching. Candidates should also present evidence of good organizational and administrative skills. Submit your application

and supporting materials electronically through the AMS website: MathJobs.org via the URL <http://www.mathjobs.org/jobs>. Alternatively, application materials may be sent to:

SL Appointment Committee  
Vanderbilt University  
Department of Mathematics  
1326 Stevenson Center  
Nashville, TN 37240

These materials should include a letter of application, a curriculum vitae, a teaching statement, a teaching portfolio, four letters of recommendation, and the AMS Cover Sheet. The teaching portfolio should illustrate previous teaching experience. It could for instance include course materials written by the applicant. Reference letter writers should be asked to submit their letters online through: MathJobs.org.

Evaluation of the applications will commence on December 1, 2010, and continue until the position is filled. For information about the Department of Mathematics at Vanderbilt University please consult the web at: <http://www.math.vanderbilt.edu/>.

Vanderbilt is an Equal Employment Opportunity/Affirmative Action Employer. Women and minorities are especially invited to apply.

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## TEXAS

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### TEXAS A&M UNIVERSITY The Department of Mathematics

The Department of Mathematics anticipates up to six openings for postdoctoral positions at the level of visiting assistant professor, subject to budgetary approval. Our visiting assistant professor positions are three-year appointments and carry a three-course-per-year teaching load. They are intended for those who have recently received their Ph.D.s and preference will be given to mathematicians whose research interests are close to those of our regular faculty members. We also anticipate up to six short-term (semester or year-long) visiting positions at various ranks, depending on budget. A complete dossier should be received by December 15, 2010. Early applications are encouraged since the department will start the review process in October 2010. Applicants should send the completed "AMS Application Cover Sheet", a vita, a summary statement of research and teaching experience, and arrange to have letters of recommendation sent to: Faculty Hiring, Department of Mathematics, Texas A&M University, 3368 TAMU, College Station, Texas 77843-3368. Further information can be obtained from: <http://www.math.tamu.edu/hiring>.

Texas A&M University is an Equal Opportunity Employer. The university is dedicated to the goal of building a culturally

diverse and pluralistic faculty and staff committed to teaching and working in a multicultural environment, and strongly encourages applications from women, minorities, individuals with disabilities, and veterans. The university is responsive to the needs of dual career couples.

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## UTAH

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### UNIVERSITY OF UTAH Department of Mathematics

The Department of Mathematics at the University of Utah invites applications for the following positions:

Full-time tenure-track or tenured appointments at the level of assistant, associate, or full professor in all areas of mathematics and statistics.

Three-year Scott, Wylie, and Burgess Assistant Professorships.

Please see our website at: <http://www.math.utah.edu/positions> for information regarding available positions, application requirements, and deadlines. Applications must be completed through the website: <http://www.mathjobs.org>.

The University of Utah is an Equal Opportunity, Affirmative Action Employer and encourages applications from women and minorities, and provides reasonable accommodation to the known disabilities of applicants and employees.

The University of Utah values candidates who have experience working in settings with students from diverse backgrounds and possess a strong commitment to improving access to higher education for historically underrepresented students.

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## WASHINGTON

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### UNIVERSITY OF WASHINGTON Department of Mathematics

Applications are invited for a non-tenure-track acting assistant professor position. The appointment is for a period of up to three years to begin in September 2011. Applicants are required to have a Ph.D. by the starting date, and to be highly qualified for undergraduate and graduate teaching and independent research.

Applications should include the American Mathematical Society's Cover Sheet for Academic Employment, a curriculum vitae, statements of research and teaching interests, and three letters of recommendation. We prefer applications and supporting materials to be submitted electronically via: <http://www.mathjobs.org>. Application materials may also be mailed to: Appointments Committee Chair (AAP position), Department of Mathematics, Box 354350, University of Washington, Seattle, WA 98195-4350. Priority will be given to applicants whose complete

applications, including recommendations, are received by December 15, 2010.

The University of Washington is building a culturally diverse faculty and strongly encourages applications from female and minority candidates. The University is an Equal Opportunity/Affirmative Action Employer.

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## CANADA

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### YORK UNIVERSITY Applied Mathematical Biology Department of Mathematics and Statistics Faculty of Science and Engineering

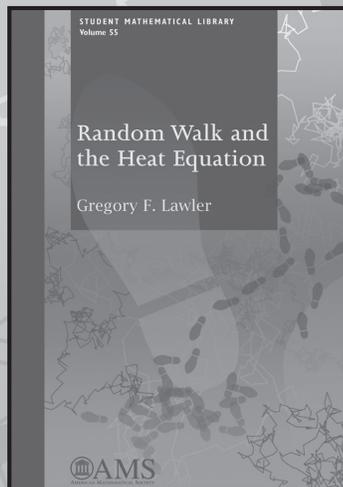
Applications are invited for one tenure-track appointment at the assistant professor level in the Department of Mathematics and Statistics, Faculty of Science and Engineering, to commence July 1, 2011. Applicants in all areas of Mathematical and Computational Biology and Ecology will be considered, including Non-linear Dynamics of Disease Mechanism, Biological Invasion, Population Dynamics, Epidemiological and Ecological Modeling, Bioinformatics and Health Informatics, Protein, Cellular and Physiological Modeling and Stochastic Biological Modeling.

The successful candidate must have a Ph.D. in mathematics or a related field and a proven record of independent and collaborative interdisciplinary research. The successful candidate must have a potential for research excellence and demonstrated excellence or promise of excellence in teaching. Superior teaching will be an asset. Preference will be given to candidates who can strengthen existing areas of present and ongoing research activity in the department and in biological and life sciences across the university. The successful candidate should be suitable for prompt appointment to the Faculty of Graduate Studies. All positions at York are subject to budgetary approval.

Applications must be received by December 15, 2010. Applicants should send a curriculum vitae, an outline of their research plan and a description of teaching interests, and arrange for three letters of recommendation (one of which should address teaching) to be sent directly to:

Applied Mathematics Search Committee  
Department of Mathematics and Statistics  
N520 Ross, York University  
4700 Keele Street  
Toronto, Ontario  
M3J 1P3 Canada;  
email: [app1math@mathstat.yorku.ca](mailto:app1math@mathstat.yorku.ca);  
<http://www.math.yorku.ca/Hiring>.

York University is an Affirmative Action Employer. The Affirmative Action Program can be found on York's website at:



## Random Walk and the Heat Equation

Gregory F. Lawler,  
*University of Chicago, IL*

The heat equation can be derived by averaging over a very large number of particles. Traditionally, the resulting PDE is studied as a deterministic equation, an approach that has brought many significant results and a deep understanding of the equation and its solutions. By studying the heat equation by considering the individual random particles, however, one gains further intuition into the problem. While this is now standard for many researchers, this approach is generally not presented at the undergraduate level. In this book, Lawler introduces the heat equation and the closely related notion of harmonic functions from a probabilistic perspective.

The idea of this book is to merge probabilistic and deterministic approaches to heat flow. It is also intended as a bridge from undergraduate analysis to graduate and research perspectives. The book is suitable for advanced undergraduates, particularly those considering graduate work in mathematics or related areas.

**Student Mathematical Library**, Volume 55: 2010;  
156 pages; Softcover; ISBN: 978-0-8218-4829-6; List  
US\$29; AMS members US\$23.20; Order code STML/55



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[www.ams.org/bookstore](http://www.ams.org/bookstore)

## Classified Advertisements

<http://www.yorku.ca/acadjobs> or a copy can be obtained by calling the affirmative action office at 416-736-5713. All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority.

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### DENMARK

#### AARHUS UNIVERSITY Centre for Quantum Geometry of Moduli Spaces (QGM) Denmark

Applications are invited for 3 two-year postdoctoral positions starting August 2011 with an opportunity to spend half a year at one of the following QGM-partner institutions; UC Berkeley, Oxford University, or IHÉS, Paris. Qualified candidates will have a strong background in mathematics. A Ph.D. degree in mathematics or mathematical physics is required.

QGM focuses on the ramifications of quantizations of moduli spaces of various structures, in particular on two-dimensional surfaces and their applications to the study of mapping class groups. It is a collaborative project involving representation theory, algebraic topology, algebraic geometry, quantum algebra, quantum topology of three manifolds, Riemann surface theory and Teichmüller theory, gauge theory and Berezin-Toeplitz quantization together with mathematical aspects of Quantum Field Theory and String Theory.

We are seeking an outstanding young scholar with excellent research potential within this field.

See: <http://www.qgm.au.dk>.

The positions are made possible by a grant from the Danish National Research Foundation.

Interested candidates should apply online at: <http://science.au.dk/en/positions-and-Fellowships/>.

Application deadline is December 10, 2010

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### SINGAPORE

#### NATIONAL UNIVERSITY OF SINGAPORE (NUS) Department of Mathematics

The Department of Mathematics at the National University of Singapore (NUS) invites applications for tenured, tenure-track and visiting positions at all levels, beginning in August 2011.

NUS is a research-intensive university that provides quality undergraduate and graduate education. The Department of Mathematics, which is one of the largest in the university, has about 70 faculty members and teaching staff whose

expertise cover major areas of contemporary mathematical research.

We seek promising scholars and established mathematicians with outstanding track records in any field of pure and applied mathematics. The department offers internationally competitive salaries with start-up grants for research. The teaching load is particularly light for young scholars, in an environment conducive to research with ample opportunities for career development.

The department is particularly interested in, but not restricted to, considering applicants specializing in any of the following areas:

- Analysis, Probability, and Ergodic Theory.
- Computational Science, including but not restricted to, Computational Biology, Medical Imaging, Computational Materials Science and Nanoscience.
- Financial Mathematics.

Application materials should be sent to Search Committee via email (as PDF files) to: [search@math.nus.edu.sg](mailto:search@math.nus.edu.sg).

Please include the following supporting documentation in the application:

1. an American Mathematical Society Standard Cover Sheet;
2. a detailed CV including publications list;
3. a statement (max. of 3 pages) of research accomplishments and plan;
4. a statement (max. of 2 pages) of teaching philosophy and methodology. Please attach evaluation on teaching from faculty members or students of your current institution, where applicable;

5. at least three letters of recommendation including one which indicates the candidate's effectiveness and commitment in teaching. Please ask your referees to send their letters directly to: [search@math.nus.edu.sg](mailto:search@math.nus.edu.sg).

Enquiries may also be sent to this email address.

Review process will begin on October 15, 2010, and will continue until positions are filled.

For further information about the department, please visit: <http://www.math.nus.edu.sg>.

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