
Classified Advertisements

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

ALABAMA

**UNIVERSITY OF ALABAMA AT
BIRMINGHAM**
Department of Mathematics
Assistant Professor

The Department of Mathematics at the University of Alabama at Birmingham (UAB) is soliciting applications for a tenure-track assistant professor position beginning August 15, 2014. Applicants whose research is compatible with the department's strengths in differential equations, differential geometry, dynamical systems, mathematical physics, and probability, including computational aspects of these areas, are encouraged to apply. Those with expertise in applications, e.g., in mathematical biology, mathematical finance, or mathematical modeling are of particular interest in this search. Applicants may be interested to collaborate with one of the University Wide Interdisciplinary Research Centers (UWIRC) on UAB campus, see <http://www.uab.edu/institutionaleffectiveness/uwircs>. For additional information about the department please visit <http://www.uab.edu/mathematics/>.

Applicants should have demonstrated the potential to excel in one of the research areas mentioned and in teaching at all levels of instruction. They should also be committed to professional service including departmental service. Postdoc experience is preferred.

Applications should include a curriculum vita with a publication list, a statement of future research plans, a statement on teaching experience and philosophy, and minimally three letters of reference

with at least one letter addressing teaching experience and ability. We prefer applications and all other materials be submitted electronically at <http://www.mathjobs.org>, although applicants may submit an application including an AMS cover sheet to:

Math Faculty Search
Department of Mathematics
The University of Alabama at Birmingham
Birmingham, AL 35294-1170

UAB is an Equal Opportunity/Affirmative Action Employer committed to fostering a diverse, equitable and family-friendly environment in which all faculty and staff can excel and achieve work/life balance irrespective of ethnicity, gender, faith, gender identity and expression as well as sexual orientation. UAB also encourages applications from individuals with disabilities and veterans. A pre-employment background investigation is performed on candidates selected for employment.

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CALIFORNIA

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

Description: Appointments are for two years with one-year terminal extension expected. The academic year runs from approximately October 1 to June 1. Instructors typically are expected to teach one course per quarter 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, 2014.

Application information: Please apply online at <http://mathjobs.org>. You can also find information about this position at www.math.caltech.edu/positions.html. To avoid duplication of paperwork, your application may also be considered for 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.

000054

**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 typically 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

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 2012 rate is \$3.50 per word with a minimum two-line headline. 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 2013 issue–September 30, 2013; January 2014 issue–October 29, 2013; February

2014 issue–December 2, 2013; March 2014 issue–January 2, 2014; April 2014 issue–January 30, 2014; May 2014 issue–March 3, 2014.

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 clasads@ams.org. AMS location for express delivery packages is 201 Charles Street, Providence, Rhode Island 02904. Advertisers will be billed upon publication.

of the areas in which Caltech's mathematics faculty is currently active.

Deadline: January 1, 2014.

Application information: Please apply online at <http://mathjobs.org>. You can also find information about this position at www.math.caltech.edu/positions.html. To avoid duplication of paperwork, your application may 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 Scott Russell Johnson Senior Postdoctoral Scholar in Mathematics

Description: There are three terms in the Caltech academic year. The fellow is typically 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, 2014.

Application information: Please apply online at <http://mathjobs.org>. You can also find information about this position at www.math.caltech.edu/positions.html. To avoid duplication of paperwork, your application may also be considered for 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 STATE UNIVERSITY Department of Mathematics

Department of Mathematics at California State University, San Bernardino, invites applications for a tenure-track faculty position at the level of Assistant Professor to begin September 2014. Applicants are required to hold a Ph.D. in mathematics or a Ph.D. in mathematics education with a master's in mathematics. The terminal degree is required at the time of appointment. Submit vita, three letters of reference, and a letter of application that includes a statement of teaching philosophy and strategies, and research/professional accomplishments and goals. Also submit the names, telephone and fax numbers, and email addresses of the three references along with an official copy of most

recent transcripts. Send these materials to: Recruiting Committee, Department of Mathematics, California State University, San Bernardino, 5500 University Parkway, San Bernardino, CA 92407. Applications received after December 2, 2013, cannot be guaranteed full consideration.

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CALIFORNIA STATE UNIVERSITY SAN DIEGO Department of Mathematics and Statistics Tenure-Track Assistant Professor Position in Mathematics

The Department of Mathematics and Statistics at San Diego State University invites applications for a position as tenure-track Assistant Professor of Mathematics, beginning in August 2014. The department seeks a harmonic analyst with a strong background in core mathematics, and a research program that includes applied or interdisciplinary work.

Candidates must have a doctorate, or equivalent degree, in mathematics or applied mathematics, and demonstrate outstanding research potential. The new faculty member will contribute to the department's program in the Mathematics of Communications Systems, and is encouraged to participate in the SDSU Computational Science Research Center. Preference may be given to candidates who would augment or interact with existing research programs in the department or with key university programs. Candidates must demonstrate enthusiasm and ability to teach undergraduate and graduate level courses in pure and applied mathematics.

Applications should include: a cover letter, curriculum vita, a description of research program, a statement of teaching philosophy, and three letters of recommendation sent directly to the search committee. Applications should be addressed to

Professor Peter Blomgren
Chair, Search Committee
Department of Mathematics and
Statistics
San Diego State University
San Diego, CA 92182-7720

Review of applications will begin on October 15, 2013, and continue until the position is filled.

SDSU is an Equal Opportunity Employer and does not discriminate against persons on the basis of race, religion, national origin, sexual orientation, gender, gender identity and expression, marital status, age, disability, pregnancy, medical condition, or covered veteran status.

The person holding this position is considered a "mandated reporter" under the California Child Abuse and Neglect Reporting Act and is required to comply with the requirements set forth in CSU

Executive Order 1083 as a condition of employment.

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UNIVERSITY OF CALIFORNIA, LOS ANGELES Tenured/Tenure-Track positions

The Department of Mathematics invites applications for tenure-track/tenure faculty positions. Salary is commensurate with the level of experience. Job Tracking #1010-1415-05.

For fullest consideration, all application materials should be submitted on or before December 1, 2013. A Ph.D. is required for all positions.

We also plan to make temporary and visiting appointments in the categories 1-4 below. Depending on the level, candidates must give evidence of potential or demonstrated distinction in scholarship and teaching.

Temporary Positions:

(1) E.R. Hedrick Assistant Professorships. Salary is \$64,300 and appointments are for three years. The teaching load is four one-quarter courses per year. Job Tracking #1010-1415-01.

(2) Computational and Applied Mathematics (CAM) Assistant Professorships. Salary is \$64,300, and appointments are for three years. The teaching load is normally reduced by research funding to two quarter courses per year. Job Tracking #1010-1415-02.

(3) Program in Computing (PIC) Assistant Adjunct Professorships. Salary is \$66,800. 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 additional course every two years. Initial appointments are for one year and possibly longer, up to a maximum service of four years. Job Tracking #1010-1415-03.

(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 \$54,300-\$60,700. The teaching load for adjuncts is six one-quarter courses per year. Job Tracking #1010-1415-04.

Applications and supporting documentation must be submitted electronically via www.mathjobs.org. All letters of evaluation are subject to UCLA campus policies on confidentiality. Refer potential reviewers to the UCLA Statement of Confidentiality at <http://www.math.ucla.edu/people/confidentiality.pdf>.

For fullest consideration, all application materials should be submitted on or before December 6, 2013. A Ph.D. is required for all positions.

The university is an Equal Opportunity/Affirmative Action Employer. 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 asks that applicants complete the Equal Opportunity Employer survey for Letters and Science at the following URL: <http://cis.ucla.edu/facultysurvey>. Please use Job Tracking numbers listed above.

000045

UNIVERSITY OF CALIFORNIA, SAN DIEGO
Mathematics Department Faculty Positions

The Department of Mathematics, within the Division of Physical Sciences at the University of California, San Diego (<http://www.math.ucsd.edu>), invites applications for one tenured mid-level position and one tenure-track junior position. The tenured mid-level position is expected to be filled in topology and/or geometry and the tenure-track position is open to applicants from all areas of pure and applied mathematics.

The University is committed to an excellent and diverse faculty and student body. Successful candidates will be evaluated on research and teaching accomplishments, as well as on potential for leadership in areas contributing to diversity, equity and inclusion. Candidates must receive their Ph.D. prior to their first quarter of teaching. Salary is commensurate with qualifications and based on UC pay scales. The starting date for the positions, pending funding approval, will be July 1, 2014. To receive full consideration, applications should be submitted online through <http://apptkr.com/377267> by November 1, 2013.

In compliance with the Immigration Reform and Control Act of 1986, individuals offered employment by the University of California are required to show documentation proving identity and authorization to work in the United States. For applicants interested in spousal/partner employment, please visit the UCSD Partner Opportunities Program at: <http://academicaffairs.ucsd.edu/offices/partneropp/>.

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ILLINOIS

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. 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. 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 up to 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. Applications must be submitted online through www.mathjobs.org. Questions may be directed to apptsec@math.uchicago.edu. We will begin screening applications on November 1, 2013. Screening will continue until all available positions are filled.

The University of Chicago is an Affirmative Action/Equal Opportunity Employer.

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MARYLAND

JOHNS HOPKINS UNIVERSITY
Department of Mathematics
J. J. Sylvester Assistant Professor

The Department of Mathematics invites applications for 2-year and 3-year non-tenure-track Assistant Professor positions beginning fall 2014. The J.J. Sylvester Assistant Professorship is offered to Ph.D. recipients who are beginning their research career and have outstanding research potential. Candidates in all areas of pure mathematics are encouraged to apply. The teaching load is three courses per academic year. To submit your application, go to <http://www.mathjobs.org/jobs/jhu>. Submit the AMS cover sheet, your curriculum vitae, and research and teaching statements, and ensure that at least four letters of recommendation, one of which addresses teaching, are submitted by the reference writers. If you are unable to apply online, you may send application materials to: Appointments Committee, Department of Mathematics, Johns Hopkins University, 404 Krieger

Hall, Baltimore, MD 21218. If you have questions concerning this position, please write to cpool@jhu.edu. Preference will be given to applications received by December 1, 2013. The Johns Hopkins University is an Affirmative Action/Equal Opportunity Employer. Minorities and women candidates are encouraged to apply.

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JOHNS HOPKINS UNIVERSITY
Department of Mathematics
Tenure-Track Assistant Professor

The Department of Mathematics invites applications for two positions at the tenure-track Assistant Professor level beginning July 1, 2014. A Ph.D. degree or its equivalent and demonstrated promise in research and commitment to teaching are required. Candidates in all areas of pure mathematics are encouraged to apply. To submit your application, go to <http://www.mathjobs.org/jobs/jhu>. Submit the AMS cover sheet, your curriculum vitae, list of publications, and research and teaching statements, and ensure that at least four letters of recommendation, one of which addresses teaching, are submitted by the reference writers. If you are unable to apply online, you may send application materials to: Appointments Committee, Department of Mathematics, Johns Hopkins University, 404 Krieger Hall, Baltimore, MD 21218. If you have questions concerning this position, please write to cpool@jhu.edu. Preference will be given to applications received by October 15, 2013. The Johns Hopkins University is an Affirmative Action/Equal Opportunity Employer. Minorities and women candidates are encouraged to apply.

000023

JOHNS HOPKINS UNIVERSITY
Department of Mathematics

The Department of Mathematics invites applications for tenured positions at the Associate and Full Professor level beginning fall 2014 or later. The department is seeking candidates in areas of pure mathematics that fit in with the existing areas of the department, with an emphasis on analysis and geometry. Applications may be submitted online at <http://www.mathjobs.org/jobs/jhu> or mailed to: Appointments Committee, Department of Mathematics, Johns Hopkins University, 404 Krieger Hall, Baltimore, MD 21218. Submit the AMS cover sheet, a curriculum vitae, a list of publications, and the names and addresses of suggested references. The department will assume the responsibility of soliciting letters of evaluation and will provide evaluators with a summary of policies on confidentiality of letters of evaluation. If you have questions concerning this position, please write to

cpool@jhu.edu. Applications received by October 15, 2013, 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 Position

The Department of Mathematics at Boston College invites applications for a tenure-track position at the level of Assistant Professor beginning in September 2014. Our preference is to hire in Algebraic Geometry, but candidates in Geometry, Topology, Number Theory, Representation Theory, and related fields are also encouraged to apply. In exceptional cases, a higher level appointment may be considered. The teaching load is three semester courses per year.

Requirements include a Ph.D. or equivalent in mathematics awarded in 2012 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, a 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 December 1, 2013, 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 this position may be directed to 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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MASSACHUSETTS INSTITUTE OF TECHNOLOGY Department of Mathematics

The Mathematics Department at MIT is seeking to fill positions in Pure and Applied Mathematics, and Statistics at the level of Instructor, Assistant Professor, or higher beginning September 2014. The department also seeks candidates for the Schramm Postdoctoral Fellowship. Appointments are based primarily on exceptional research qualifications.

Appointees will be expected to fulfill teaching duties and to pursue their own research program. Ph.D. required by employment start date.

For more information and to apply, please visit <http://www.mathjobs.org>. To receive full consideration, submit applications by December 1, 2013. MIT is an Equal Opportunity, Affirmative Action Employer.

000046

WILLIAMS COLLEGE Department of Mathematics and Statistics

The Williams College Department of Mathematics and Statistics invites applications for two tenure-track positions in mathematics, beginning fall 2014, at the rank of assistant professor (in an exceptional case, a more advanced appointment may be considered). We are seeking highly qualified candidates who have demonstrated excellence in teaching, who will establish an active and successful research program, and who will have a Ph.D. by the time of appointment. Williams College is a private, coeducational, residential, highly selective liberal arts college with an undergraduate enrollment of approximately 2,000 students. The teaching load is two courses per 12-week semester and a winter term course every other January.

Applicants are encouraged to apply electronically at <http://mathjobs.org> or send a vita and have three letters of recommendation on teaching and research sent to Susan Loepf, Chair of the Hiring Committee, Department of Mathematics and Statistics, Williams College, 18 Hoxsey Street, Williamstown, MA 01267. Teaching and research statements are also welcome. Evaluation of applications will begin on or after November 15 and will continue until the position is filled. All offers of employment are contingent upon completion of a background check. Further information is available upon request. For more information on the Department of Mathematics and Statistics, visit <http://math.williams.edu>.

Williams College is a coeducational liberal arts institution located in the Berkshire Hills of western Massachusetts with easy access to the culturally rich cities of Albany, Boston, and New York City. The college is committed to building and supporting a diverse population of students, and to fostering an inclusive faculty, staff, and curriculum. Williams has built its reputation on outstanding teaching and scholarship and on the academic excellence of its students. Please visit the Williams College website <http://www.williams.edu/>. Beyond meeting fully its legal obligations for non-discrimination, Williams College is committed to building a diverse and inclusive community where

members from all backgrounds can live, learn, and thrive.

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NEW HAMPSHIRE

DARTMOUTH COLLEGE Department of Mathematics John Wesley Young Research Instructorships

2-3 years, new or recent Ph.D. graduates whose research overlaps a department member's. Teach 3 ten-week courses spread over 3 terms. Appointment for 26 months, with possible 12 month renewal; monthly salary of \$5,100, including two-month research stipend for Instructors in residence during 2 of 3 summer months; if not in residence, salary adjusted accordingly. To initiate an application go to <http://www.mathjobs.org>. Position ID: JWY #4928. You can also access the application through a link at <http://www.math.dartmouth.edu/activities/recruiting/>. General inquiries can be directed to Tracy Moloney, Administrator, Department of Mathematics, tfmoloney@math.dartmouth.edu. Applications completed by January 5, 2014, considered first. Dartmouth College is committed to diversity and strongly encourages applications from women and minorities.

000053

NEW JERSEY

INSTITUTE FOR ADVANCED STUDY School of Mathematics Princeton, NJ

During the 2014-15 academic year, the School of Mathematics at the Institute for Advanced Study has a limited number of one- and two-year memberships with financial support for research in mathematics and computer science.

The school frequently sponsors special programs. However, these programs comprise no more than one-third of the membership so that each year a wide range of mathematics is supported. During the 2014-15 academic year, Claire Voisin, Institut de Mathématiques de Jussieu, will be the school's Distinguished Visiting Professor. Professor Voisin will lead a special program on "The Topology of Algebraic Varieties". For more information about the special program for the year, please see the school's homepage.

Several years ago the school established the von Neumann Fellowships. Up to eight of these fellowships will be available for each academic year. To be eligible for the von Neumann Fellowships, 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 was established

in partnership with the Department of Mathematics at Princeton University 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. Usually the first and third year of the instructorship is spent at Princeton University and will carry regular teaching responsibilities. The second year is spent at the Institute and dedicated to independent research of the instructor's choice.

Candidates must have given evidence of ability in research comparable at least with that expected for the Ph.D. degree. Application materials may be requested from Applications, School of Mathematics, Institute for Advanced Study, Einstein Drive, Princeton, NJ 08540; applications@math.ias.edu. Postdoctoral computer science and discrete mathematics applicants may be interested in applying for a joint (2-year) position with one of the following: The Department of Computer Science at Princeton University, <http://www.cs.princeton.edu>; DIMACS at Rutgers, The State University of New Jersey, <http://www.dimacs.rutgers.edu>; or the Intractability Center, <http://intractability.princeton.edu>. For a joint appointment, applicants should apply to the School of Mathematics as well as to the above noting their interest in a joint appointment.

Applications may be found online at: <https://applications.ias.edu>. The deadline for all applications is December 1, 2013. The Institute for Advanced Study is committed to diversity and strongly encourages applications from women and minorities.

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**PRINCETON UNIVERSITY
Department of Mathematics
Postdoctoral Research Associate 2013-2014**

The Program in Applied and Computational Mathematics invites applications for Postdoctoral Research Associates to join in research efforts of interest to its faculty. Domains of interest include nonlinear partial differential equations, computational fluid dynamics and material science, dynamical systems, numerical analysis, stochastic problems and stochastic analysis, graph theory and applications, mathematical biology, financial mathematics and mathematical approaches to signal analysis, information theory, and structural biology and image processing. Appointments are possible for up to three years, renewable yearly, if funding is available and performance is satisfactory. For details on specific faculty members and their research interests, please go to <http://www.pacm.princeton.edu>. Princeton University is an Equal Opportunity

Employer and complies with applicable EEO and affirmative action regulations. Applicants should submit a cover letter, CV, bibliography/publications list, statement of research and three letters of recommendation. Please apply directly to [Mathjobs.org](http://www.mathjobs.org/jobs/jobs/4934), <http://www.mathjobs.org/jobs/jobs/4934>. Applicants should have a recently completed or soon-to-be completed doctorate.

000055

**RUTGERS UNIVERSITY-NEW BRUNSWICK
Department of Mathematics**

The Mathematics Department of Rutgers University-New Brunswick invites applications for the following positions which may be available September 2014.

TENURED ASSOCIATE/FULL PROFESSORSHIP: Subject to availability of funding, the department expects an opening at the level of tenured Associate Professor or tenured Full Professor in Numerical Analysis/Scientific Computation. Candidates must have the Ph.D. and show a strong record of research accomplishments, and have a concern for teaching. The normal annual teaching load for research-active faculty is 2-1, that is, two courses for one semester, plus one course for the other semester. Review of applications begins immediately.

TENURE-TRACK ASSISTANT PROFESSORSHIP: Subject to availability of funding, the department expects an opening at the level of Tenure-Track Assistant Professor. In exceptional cases, there may be the possibility of appointment at a higher level. Candidates must have the Ph.D. and show a strong record of research accomplishments in pure or applied mathematics, and have a concern for teaching. The department has a hiring priority in Algebra (including Algebraic Geometry, Number Theory, and intersections with Geometry and Topology), but outstanding candidates in any field of pure or applied mathematics will be considered. The normal annual teaching load for research-active faculty is 2-1, that is, two courses for one semester, plus one course for the other semester. Review of applications begins immediately.

HILL ASSISTANT PROFESSORSHIPS and NON-TENURE-TRACK ASSISTANT PROFESSORSHIPS: These are both three-year nonrenewable positions. Subject to availability of funding, the department expects several open positions of these types. The Hill Assistant Professorship carries a reduced teaching load of 2-1 for research; candidates for it should have received the Ph.D., show outstanding promise of research ability in pure or applied mathematics, and have concern for teaching. The Non-Tenure-Track Assistant Professorship carries a teaching load of 2-2; candidates for it should have received the Ph.D., show evidence of superior teaching accomplishments, and promise

of research ability. Review of applications begins January 1, 2014.

Applicants for the above position(s) should submit a curriculum vitae (including a publication list) and arrange for four letters of reference to be submitted, one of which evaluates teaching. Applicants should first go to the website <http://www.mathjobs.org/jobs> and fill out the AMS Cover Sheet electronically. It is essential to fill out the cover sheet completely, including naming the positions being applied for (TAP, TTAP, HILL, NTTAP, respectively) giving the AMS Subject Classification number(s) of area(s) of specialization, and answering the question about how materials are being submitted. The strongly preferred way to submit the CV, references, and any other application materials is online at: <http://www.mathjobs.org/jobs>. If necessary, however, application materials may instead be mailed to: Search Committee, Dept. of Math., Hill Center, Rutgers University, 110 Frelinghuysen Road, Piscataway, NJ 08854-8019. Review of applications will begin on the dates indicated above, and will continue until openings are filled. Updates on these positions will appear on the Rutgers Mathematics Department webpage at: <http://www.math.rutgers.edu>. Rutgers is an Affirmative Action/Equal Opportunity Employer.

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NORTH CAROLINA

**NORTH CAROLINA STATE UNIVERSITY
Department of Mathematics**

Invites applications for tenure-track positions beginning Fall 2014, depending on the availability of funding. We are seeking exceptionally well-qualified individuals with research interests compatible with those in the department, and in particular in areas of numerical linear algebra, or control; operations research; Personalized Medicine/Mathematical modeling and health system analysis. For position requirements please see listings on [mathjobs.org](http://www.mathjobs.org). The Department of Mathematics has strong research programs in applied and pure mathematics. Information about the department is available at <http://www.math.ncsu.edu>. Submit your application materials at <http://www.mathjobs.org/jobs/ncsu>. You will then receive instructions to complete a faculty profile at <http://jobs.ncsu.edu> using the link in the posting. AA/EOE. NC State welcomes all persons without regard to sexual orientation. The College of Sciences welcomes the opportunity to work with candidates to identify suitable employment opportunities for spouses or partners. Priority will be given to applications received by November 15, 2013.

000066

PENNSYLVANIA

UNIVERSITY OF PENNSYLVANIA
School of Arts and Sciences

The School of Arts and Sciences at the University of Pennsylvania seeks to add to the faculty of our newly formed Evolution Cluster. We invite applicants for a tenure-track assistant professor appointment in evolution, broadly interpreted. We are interested in exceptional scientists who will establish a research program to empirically study the evolution of dynamical processes using field or laboratory experiments or the construction and analysis of massive data sets. Areas of interest include, but are not limited to: the evolution of neural, social, ecological or linguistic dynamics and networks; evolution of early life or exobiology; biochemical, neuronal, or cooperative interactions and exchange of information at the molecular, cellular, human, or ecosystems scales; directed evolution of organisms or processes; analyzing extant structures and networks, from molecules to populations, along with their evolutionary trajectories, including the development of new modalities to extract data from the geologic, genetic, or linguistic historical records. The successful candidate's primary appointment will be in a single department in the natural sciences: Biology, Chemistry, Earth and Environmental Science, Linguistics, Mathematics, Physics and Astronomy, or Psychology. Secondary appointments in other departments can be arranged, as appropriate. The successful candidate will have a strong interest in building a program that generates interaction with researchers from other disciplines who are working within the overarching theme of evolution and will teach courses in his or her home department and participate in the development of curricula pertinent to the Evolution Cluster (See <http://evolutioncluster.sas.upenn.edu> for more information). The University of Pennsylvania is an Affirmative Action/Equal Opportunity Employer and is strongly committed to establishing a diverse faculty: www.upenn.edu/almanac/volumes/v58/n02/diversityplan.html.

Applications should be submitted online at <http://facultysearches.provost.upenn.edu/postings/23> and include a curriculum vitae, a research statement that includes the candidate's perspective on how she or he fits into one of the core departments, links to no more than three journal publications, and the contact information for three individuals who will provide letters of recommendation. Review of applications will begin November 1, 2013, and will continue until the position is filled.

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UTAH

UNIVERSITY OF UTAH
Department of Mathematics

The Department of Mathematics at the University of Utah invites applications for the following faculty 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 Wylie and Burgess Assistant Professor Lecturer positions.
- Three-year RTG postdoctoral fellows in Algebraic Geometry and Topology (http://www.math.utah.edu/agtrtg/postdoc_fellowship.html).
- Three-year RTG postdoctoral fellows in Mathematical Biology (http://www.math.utah.edu/research/mathbio/rtg/rtg_postdoc.html).

Applications for all positions must be completed through the website www.mathjobs.org/jobs/Utah, and will be accepted until the position(s) have been filled. All applications will be reviewed when they are complete.

In accordance with University of Utah policy, this offer of appointment is contingent upon final approval of the President and Board of Trustees of the University of Utah. Utah state law requires the university to perform a background check on new employees. This offer of employment is conditioned upon your successfully passing a pre-employment criminal background check and a verification of your education.

The University of Utah is an Equal Opportunity/Affirmative Action Employer and Educator. Minorities, women, and persons with disabilities are strongly encouraged to apply. Veteran's preference. Reasonable accommodations provided. For additional information: www.regulations.utah.edu/humanResources/5-106.html. 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.

The department is one of 25 Group I Mathematics Departments in public institutions nationwide, and its faculty have received many honors including Clay, Guggenheim, Packard, and Sloan Fellowships. For more information see <http://www.math.utah.edu> or hiring@math.utah.edu.

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VIRGINIA

UNIVERSITY OF VIRGINIA
Department of Mathematics
Whyburn Instructor of Mathematics

The Department of Mathematics at the University of Virginia invites applications for a Whyburn Instructorship beginning August 25, 2014. This position carries a three-year appointment. Preference will be given to candidates who have received their Ph.D. within the last three years. Candidates must have an outstanding research record, and demonstrated teaching success. Applicants must be on track to receive a Ph.D. in the relevant field by May 2014 and must hold a Ph.D. at the time of appointment. Information about the department may be found at <http://artsandsciences.virginia.edu/mathematics/index.html>.

Review of applications will begin on November 15, 2013; however, the position will remain open until filled.

To apply candidates must submit a Candidate Profile through Jobs@UVa (<https://jobs.virginia.edu>), search on posting number 0612682 and electronically attach the following: a cover letter of interest describing research agenda and teaching experience, a curriculum vitae, and contact information for four references.

In addition, please submit the following required documents electronically through www.MathJobs.org: A cover letter, an AMS Standard Cover Sheet, a curriculum vitae, a publication list, a description of research, and a statement about teaching interests and experience. The applicant must also have at least four letters of recommendation submitted, of which one must support the applicant's effectiveness as a teacher.

Questions regarding the application process in JOBS@UVa should be directed to: Zvezdana Kish, zk4g@virginia.edu; 434-924-9437.

For additional information about the position contact: mathematics-hiring@Virginia.EDU.

The university will perform background checks on all new faculty hires prior to making a final offer of employment.

The College of A&S and the University of Virginia welcome applications from women, minorities, veterans, and persons with disabilities; we seek to build a culturally diverse, intellectual environment and are committed to a policy of equal employment opportunity and to the principles of affirmative action in accordance with state and federal laws.

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**VIRGINIA COMMONWEALTH
UNIVERSITY**
Department of Mathematics

Invites applications for the position of Chair of the Department of Mathematics and Applied Mathematics. We are looking for an accomplished mathematician who wants to make a difference. The successful candidate must demonstrate the vision and skills necessary to lead the department as it expands and strengthens its Ph.D. program, contributes to the university's goal of becoming a leading research university, and continues in its strong commitment to excellence in its undergraduate and graduate programs. The successful candidate is required to have a well-developed scholarly/research portfolio with evidence of multi-disciplinary applications and external funding appropriate to complement and expand existing expertise in the department. VCU takes pride in its diverse community and the successful candidate must demonstrate a strong commitment to fostering and enhancing our diversity. Evaluation of the applications will begin on December 1, 2013, and continue until the position is filled.

Complete information on the position and how to apply can be found at <https://www.mathjobs.org/jobs/jobs/4286>.

Virginia Commonwealth University is an Equal Opportunity/Affirmative Action Employer. Women, minorities and persons with disabilities are encouraged to apply.

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CANADA

**UNIVERSITY OF TORONTO
MISSISSAUGA (UTM)**
The Department of Mathematical
and Computational Sciences
and
**UNIVERSITY OF TORONTO (ST. GEORGE
CAMPUS)**
Department of Mathematics

Invite applications for two tenure-stream appointments in the area of Applied Mathematics at the rank of Assistant Professor. The expected start date of the appointments is July 1, 2014. All qualified candidates are invited to apply by the following link <https://www.mathjobs.org/jobs/jobs/4921>. To receive full consideration, applications should be received by November 15, 2013.

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from visible minority group members, women, Aboriginal persons, persons with disabilities, members of sexual minority groups, and others who may contribute to the further diversification of ideas. All qualified candidates are encouraged to

apply; however, Canadians and permanent residents will be given priority.

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**UNIVERSITY OF TORONTO
MISSISSAUGA**
The Department of Mathematical
and Computational Sciences

Invites applications for a tenure-stream appointment in the area of Algebra or Number Theory at the rank of Assistant Professor. The expected start date of the appointment is July 1, 2014. All qualified candidates are invited to apply by the following link <http://www.mathjobs.org/jobs/jobs/4922>. To receive full consideration, applications should be received by November 15, 2013.

The University of Toronto is strongly committed to diversity within its community and especially welcomes applicants from visible minority group members, women, Aboriginals, persons with disabilities, members of sexual minority groups, and others who may contribute to the further diversification of ideas. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

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KOREA

INSTITUTE FOR BASIC SCIENCE (IBS)
Center for Geometry and Physics

The IBS Center for Geometry and Physics (IBS-CGP) invites applications for several tenure-track and postdoctoral research fellowship positions. IBS-CGP is working to bring the world's leading scientists in mathematics together with young researchers to collaborate on research projects with passion and commitment. To this end, IBS recruits based on scientific excellence and creative ideas, rather than pre-determined goals or demonstrated practical outcomes. IBS provides an open and autonomous research environment. The existing members of IBS-CGP are working in symplectic geometry and topology, dynamical systems, mirror symmetry, algebraic geometry, and mathematical aspects of quantum field and string theory.

Postdoctoral research fellowship positions. Successful candidates will be new or recent Ph.D.'s with outstanding research potential. These non-tenure-track appointments are for three years, and the salary range is KRW 57,000,000–66,000,000 (approximately USD 50,800–58,800).

Tenure-track positions. Successful candidates must have exceptional research qualifications. Starting salary with three years of experience beyond Ph.D. is KRW 92,880,000 (may vary by experience). Relocation expenses and housing allowance

for up to 2 years may be provided for qualified overseas candidates.

IBS-CGP offers annual travel funds of KRW 8,000,000 for postdoctoral position and KRW 15,000,000 for tenure-track position in addition to basic research equipment and comprehensive benefits including medical and travel insurance and retirement funds.

A complete application packet should include a cover letter, a curriculum vitae which includes a publication list, a research statement, and at least three letters of recommendation for postdoctoral positions and four for tenure-track positions. For full consideration, application packets must be submitted electronically to cgp@ibs.re.kr by December 15, 2013. IBS encourages applications from individuals of diverse backgrounds. IBS-CGP website: <http://cgp.ibs.re.kr>.

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LEBANON

THE AMERICAN UNIVERSITY OF BEIRUT
Assistant Professor Positions in
Mathematics

The Department of Mathematics at the American University of Beirut (AUB) invites applications for positions in Mathematics at the Assistant Professor level. Employment will begin September 1, 2014.

Only applicants holding a Ph.D. in Mathematics, Statistics, or Applied Mathematics and showing a strong commitment to teaching and research will be considered. Anticipated vacancies are in any of the following areas: (1) Analysis, (2) Partial Differential Equations and Differential Geometry, (3) Numerical Analysis and Computing, (4) Statistics and Probability. Strong candidates in other areas of mathematics may be considered.

All interested applicants should send a letter of application with a current CV, research and teaching statements, and arrange for three letters of reference to be directly sent to:

Patrick McGreevy
Dean, Faculty of Arts and Sciences
American University of Beirut
c/o New York Office
3 Dag Hammarskjöld Plaza, 8th Floor
New York, NY 10017-2303
USA

Or
Patrick McGreevy
Dean, Faculty of Arts and Sciences
American University of Beirut
P.O. Box 11-0236, Riad El-Solh
Beirut 1107 2020, Lebanon

Electronic submissions may be sent by e-mail to: as_dean@aub.edu.lb, or can be sent through the Mathjobs website at <https://www.mathjobs.org>.

Applicants should indicate whether they are planning to attend the AMS.MAA

Joint Mathematics Meetings on January 15-18, 2014, in Baltimore, Maryland.

All applications and letters of reference should arrive by December 1, 2013. Applications will continue to be received after the deadline, but may not receive full consideration.

For more information, please visit the Faculty of Arts and Sciences' website at <http://www.aub.edu.lb/fas> or the Mathematics Department's website at <http://www.aub.edu.lb/fas/math>.

The American University of Beirut is an Equal Opportunity Employer.

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PUERTO RICO

UNIVERSITY OF PUERTO RICO Mayagüez Campus Assistant Professor

The Department of Mathematical Sciences at the University of Puerto Rico in Mayagüez anticipates offering at least one tenure-track faculty position in Computer Science, Applied Mathematics, or Statistics, starting July 1, 2014. Applicants should have a strong research potential and commitment to teaching; and should demonstrate a good publication record in quality journals. Duties include undergraduate and graduate teaching and independent research. Initiative and leadership is expected.

Requirements:

Minimum qualifications include having completed a doctoral degree in Mathematics, Statistics, Computer Science or a related area, or the expectation of its completion before the start of the appointment, July 1, 2014. A Ph.D. in Computer Sciences, with specialty in Computer Architecture, Parallel Computing or Software Engineering is preferred. Applicants should submit a plan which outlines their short and long term research goals. In addition, this research plan should outline how the applicant expects to bring in external funding.

How to Apply: Send an application letter, research plan, current Curriculum Vitae, three (3) letters of recommendation, Graduate School transcripts, AMS cover sheet, teaching and research philosophy no later than November 14, 2013. However, applications will continue to be accepted until the position is filled.

Dr. Omar Colón

Department of Mathematical Sciences
Call Box 9000

University of Puerto Rico at Mayagüez
Mayagüez, Puerto Rico 00681-9000
email: omar.colon4@upr.edu

Tel. (787) 265-3848

Fax (787) 265-5454

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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 2014.

NUS is a research intensive university that provides quality undergraduate and graduate education. The Department of Mathematics has about 65 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, housed in a newly renovated building equipped with state-of-the-art facilities, offers internationally competitive salary with start-up research grants, as well as an environment conducive to active research, with ample opportunities for career development. The teaching load for junior faculty is kept especially light.

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

- Ergodic Theory and Dynamical Systems
- Partial Differential Equations and Applied Analysis
- Computational Science, Imaging and Data Science
- Operations Research and Financial Mathematics
- Probability and Stochastic Processes

Application materials should be sent to the Search Committee via email (as PDF files): 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.

Enquiries may also be sent to this email address. Review process will begin on 15

October, 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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TAIWAN

NATIONAL CENTRAL UNIVERSITY Department of Mathematics

The Department of Mathematics invites applications for the following positions: regular positions at all levels and visiting positions (for a period of up to two years) at the level of assistant professor. All application materials should be sent to department via email (as pdf files) to: ncu5100@ncu.edu.tw or mail to: Chair, Department of Mathematics National Central University No. 300, Jhongda Rd., Jhongli City, Taoyuan County 32001 Taiwan (R. O. C.) Please include the following supporting documentation in the application:

1. Cover letter;
2. Curriculum Vitae;
3. Publication List;
4. Three recommendation letters (submitted directly by writers).

In order to ensure full consideration, applications should be received by December 20, 2013. For more information, visit: <http://www.math.ncu.edu.tw>.

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POSITION AVAILABLE

CONSULTANT/COLLABORATOR WANTED

To look over unorthodox approach to $3x + 1$ Problem. Must have insight, imagination and the ability to objectively evaluate new ideas. I will be glad to pay any reasonable consulting fee, and to offer shared-authorship for a significant contribution toward preparing a paper for publication. Contact Peter at peteschorer@gmail.com or 510-548-3827.

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