BRÅKET

Information om seminarier och högre undervisning i matematiska ämnen i Stockholmsområdet

NR 12 **FREDAGEN DEN 28 MARS 2008**

BRÅKET

Veckobladet från Institutionen för matematik vid Kungl Tekniska Högskolan och Matematiska institutionen vid Stockholms universitet

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Sista manustid för nästa nummer: Torsdagen den 3 april kl. 13.00.

SEMINARIER

Fr 03–28 kl. 13.00. Licentiatseminarium i mekanik. Fredrik Hellström presenterar sin licentiatavhandling: *Numerical computations of the unsteady flow in a radial turbine.* Opponent: **Dr Jonas Bredberg,** Epsilon High Tech AB, Göteborg. Sal E3, KTH, Osquars Backe 14, 2 tr.

Fr 03–28 kl. 13.15–14.15. Graduate Student Seminar. Alan Sola, Matematik, KTH: *Random growth models and conformal mapping.* Seminarierum 3721, Institutionen för matematik, KTH, Lindstedtsvägen 25, plan 7. Se Bråket nr 11 sidan 4.

Må 03–31 kl. 13.00. Seminarium i teoretisk datalogi. Professor Elena Dubrova, ECS/ICT/KTH: *A transformation from the Fibonacci to the Galois Non-Linear Feedback Shift Registers.* Rum 1537, KTH CSC, Lindstedtsvägen 3, plan 5. Se Bråket nr 11 sidan 6.

Fortsättning på nästa sida.

Disputation i matematik

David Jacquet disputerar vid SU på avhandlingen *On complex convexity* måndagen den 14 april kl. 10.00. Se sidan 6.

Disputation i teoretisk fysik

Martin Lindén disputerar vid KTH på avhandlingen *Stochastic modeling of motor proteins* fredagen den 28 mars kl. 10.00 i sal FA32, Roslagstullsbacken 21, AlbaNova universitetscentrum. Se Bråket nr 10 sidan 6.

Kurser

Michelle Bucher: An introduction to bounded cohomology. Se sidan 7.

Anders Forsgren: Projekt inom industriell och tillämpad matematik. Se sidan 3.

Money, jobs: Se sidorna 9–10.

25th Nordic and 1st British-Nordic Congress of Mathematicians

Denna kongress skall äga rum i Oslo den 8–11 juni 2009. Ledningen för kongressen vill senast den 1 maj 2008 få förslag till specialsessioner. Se sidan 8.

Seminarier (fortsättning)

Ti 04–01 kl. 14.00 – 15.00. Mittag-Leffler Seminar — Plurikomplexa seminariet. Hiroshi Yamaguchi, Shiga University, Hikone: *Characterization of non-Stein pseudoconvex domains in complex homogeneous spaces by use of Robin functions.* Institut Mittag-Leffler, Auravägen 17, Djursholm. Se sidan 3.

Ti 04–01 kl. 15.30 – 16.30. Mittag-Leffler Seminar — Plurikomplexa seminariet. Mikael Passare, SU: *Amoebas and coamoebas of plane algebraic curves.* Institut Mittag-Leffler, Auravägen 17, Djursholm. Se sidan 4.

On 04–02 kl. 10.00 – 11.00. Presentation av examensarbete i matematik (30 högskolepoäng, fördjupningsnivå). **Myrto Barrdahl:** *The Heat Equation.* Handledare: **Andrzej Szulkin.** Sal 21, hus 5, Matematiska institutionen, SU, Kräftriket. Se sidan 5.

On 04–02 kl. 11.00 – 12.00. KTH/Nordita/SU Seminar in Theoretical Physics. Davide Meloni, Roma III, Italien: *New physics with neutrino telescopes.* Sal FA31, Roslagstullsbacken 21, AlbaNova universitetscentrum. Se sidan 6.

On 04–02 kl. 11.15 – 12.15. Presentation av examensarbete i matematik (30 högskolepoäng, fördjupningsnivå). **Karin Gambe:** *Wavelets — an introduction.* Handledare: **Rikard Bøgvad.** Sal 21, hus 5, Matematiska institutionen, SU, Kräftriket. Se sidan 5.

On 04–02 kl. 13.15 – 14.15. Seminarium i analys och dynamiska system. László Lempert, Purdue University, West Lafayette: *Complex analysis in infinite dimensions.* Seminarierum 3721, Institutionen för matematik, KTH, Lindstedtsvägen 25, plan 7. Se sidan 4.

On 04–02 kl. 13.15 – 15.00. Algebra and Geometry Seminar. Jan-Erik Roos, SU: *Homological properties of the* $\mathbf{Q}$*-cohomology ring of the fundamental group of a 3-manifold.* Rum 306, hus 6, Matematiska institutionen, SU, Kräftriket. Se sidan 4.

To 04–03 kl. 14.00 – 15.00. Mittag-Leffler Seminar. László Lempert, Purdue University, West Lafayette: *On the structure of holomorphic Banach bundles (after J. Kim).* Institut Mittag-Leffler, Auravägen 17, Djursholm. Se sidan 6.

To 04–03 kl. 15.15 – 16.15. AlbaNova and Nordita Colloquium in Physics. Professor Konstantin Zarembo, Uppsala universitet: *Spin chains and strings in gauge theory.* Oskar Kleins auditorium, Roslagstullsbacken 21, AlbaNova universitetscentrum. Se Bråket nr 11 sidan 4.

To 04–03 kl. 15.30 – 16.30. Mittag-Leffler Seminar. Bernard Shiffman, Johns Hopkins University, Baltimore: *Off-diagonal asymptotics of the Szegő kernel and applications to deficiencies and overcrowding of random zeros on Kähler manifolds.* Institut Mittag-Leffler, Auravägen 17, Djursholm. Se sidan 5.

On 04–09 kl. 13.15 – 14.15. Seminarium i analys och dynamiska system. Alfonso Montes Rodriguez, Sevilla: *Title to be announced.* Seminarierum 3721, Institutionen för matematik, KTH, Lindstedtsvägen 25, plan 7.

On 04–09 kl. 13.15. Algebra and Geometry Seminar. Sergei Merkulov, SU: *Wheeled pro(p)file of Batalin-Vilkovisky quantization.* Seminarierum 3733, Institutionen för matematik, KTH, Lindstedtsvägen 25, plan 7.

Fortsättning på nästa sida.

Seminarier (fortsättning)

On 04–09 kl. 18.00 – 19.00. Offentlig föreläsning på Kungl. Vetenskapsakademien. Professor Michel Mayor, Université de Genève: *Other worlds in the Universe.* Beijersalen, Kungl. Vetenskapsakademien, Lilla Frescativägen 4A, Stockholm. Se sidan 8.

On 04–09 kl. 19.00. Populärvetenskaplig föreläsning i fysik. Professor Sten Hellman, Fysikum, SU: *Mot materiens inre med ATLAS-experimentet: Om nya upptäckter med LHC vid CERN.* Oskar Kleins auditorium, Roslagstullsbacken 21, AlbaNova universitetscentrum. Se sidan 9.

To 04–10 kl. 15.15 – 16.15. AlbaNova and Nordita Colloquium in Physics. Professor Anvar Shukurov, University of Newcastle upon Tyne: *Prehistoric demography and the spread of the Neolithic: mathematical models based on radiocarbon dates.* Oskar Kleins auditorium, Roslagstullsbacken 21, AlbaNova universitetscentrum. Se sidan 7.

DOKTORANDKURS

Anders Forsgren:
Projekt inom industriell och tillämpad matematik, 7.5 hp

Det första kurstillfället är tisdagen den 1 april 2008 kl. 13.15 i seminarierum 3721, Institutionen för matematik, KTH, Lindstedtsvägen 25, plan 7.

Detta är en doktorandkurs som främst är riktad mot doktoranderna inom Centrum för Tillämpad och Industriell Matematik (CIAM), men även andra doktorander inom CIAMs område är välkomna. Kursen kommer att vara baserad på projekt, där studenterna arbetar i grupp. Projekten kommer att vara initierade av någon på KTH eller ett externt företag. Den främsta avsikten är att ge träning i att modellera problem och föreslå lösningsmetoder. Möjligtvis också lösa prototypproblem. Studenterna kommer att ha en extern referensperson med problemkunskap att tala med, och också få stöd av någon senior CIAM-medlem. Projekten kommer i allmänhet inte att vara ”tillrättalagda”, utan en viktig del är att extrahera matematiken i problemet och ställa upp en modell.

Välkomna!
Anders Forsgren

MITTAG-LEFFLER SEMINAR — PLURIKOMPLEXA SEMINARIET

Hiroshi Yamaguchi:
Characterization of non-Stein pseudoconvex domains in complex homogeneous spaces by use of Robin functions

Abstract: We define a Robin constant λ associated to a domain D in a complex manifold M. Then we establish a second order variational formula for $\lambda(t)$ when $D(t)$ varies in M with complex parameter t in a disk B. Using this formula we explain the result in the title.

This is joint work with Kang-Tae Kim and Norman Levenberg.

Tid och plats: Tisdagen den 1 april kl. 14.00 – 15.00 vid Institut Mittag-Leffler, Auravägen 17, Djursholm.

MITTAG-LEFFLER SEMINAR — PLURIKOMPLEXA SEMINARIET

Mikael Passare:
Amoebas and coamoebas of plane algebraic curves

Abstract: We provide an introduction to the notion of (co)amoebas in complex geometry. These occur as projections onto the real and imaginary parts of complex varieties expressed in logarithmic coordinates, and they have recently shown up in many different contexts.

In the talk we focus on some quite special classes of plane algebraic curves, for which the structure of the amoebas and the coamoebas are particularly lucid and well understood.

Tid och plats: Tisdagen den 1 april kl. 15.30 – 16.30 vid Institut Mittag-Leffler, Auravägen 17, Djursholm.

SEMINARIUM I ANALYS OCH DYNAMISKA SYSTEM

László Lempert:
Complex analysis in infinite dimensions

Abstract: I will start by motivating the subject of infinite-dimensional complex analysis. Then I will review the main notions and move to the central question of the talk, the so-called Cousin problem, as well as its generalization involving analytic cohomology groups. The subject saw much progress in the last ten years, but, as is often the case, many open problems remain.

Tid och plats: Onsdagen den 2 april kl. 13.15 – 14.15 i seminarierum 3721, Institutionen för matematik, KTH, Lindstedtsvägen 25, plan 7.

ALGEBRA AND GEOMETRY SEMINAR

Jan-Erik Roos:
Homological properties of the Q-cohomology ring of the fundamental group of a 3-manifold

Abstract: The first part of this talk is about extra results I obtained when studying the fundamental group of the complement of a hyperplane arrangement in $\mathbf{C}^n$ (these results will be briefly recalled). By intersection with generic hyperplanes we can reduce the problem to the fundamental group of the complement of line arrangements in $P^2(C)$. In this case the cohomology ring H of the complement has the cube of the maximal ideal equal to 0, and the boundary of a small neighbourhood of the line arrangement is a 3-dimensional manifold, whose cohomology ring can be calculated by skew-commutative variants of earlier commutative results by Bøgvad and Avramov, which will be described.

But one can go further and forget hyperplane arrangements. The cohomology ring (modulo torsion) of a compact oriented 3-manifold M gives rise to a skew-symmetric 3-form μ_M. Conversely, according to a nice 3-page result by Dennis Sullivan (Topology 14, 1975), there exists for such a 3-form μ a (non-unique) compact oriented manifold N of dimension 3 such that $\mu = \mu_N$. This gives rise to possibility of calculating the $\mathbf{Q}$-cohomology ring (and its unexpected cohomological properties) of the fundamental group of 3-manifolds.

I will also review the main known results about fundamental groups of 3-manifolds.

Tid och plats: Onsdagen den 2 april kl. 13.15 – 15.00 i rum 306, hus 6, Matematiska institutionen, SU, Kräftriket.

PRESENTATION AV EXAMENSARBETE I MATEMATIK

Myrto Barrdahl: The Heat Equation

Handledare: **Andrzej Szulkin.**

Abstract: Heat is distributed in a body the same way that a fluid or gas would be flowing from parts of lower concentration to parts of higher concentration — a process known as diffusion. The transfer of thermal energy in a domain Ω in $\mathbb{R}^n$ is carried out by means of conduction and can be described by a partial differential equation, known as the heat conduction equation. The aim of this thesis is to investigate existence and uniqueness of solutions to this equation in $\mathbb{R}^n$ and in bounded domains in $\mathbb{R}^n$. This is carried out using theory of distributions and weak solutions, separation of variables and Galerkin approximation. Two different types of solutions to a non-linear diffusion equation, known as the Porous Medium Equation, are also presented.

Tid och plats: Onsdagen den 2 april kl. 10.00 – 11.00 i sal 21, hus 5, Matematiska institutionen, SU, Kräftriket.

PRESENTATION AV EXAMENSARBETE I MATEMATIK

Karin Gambe: Wavelets — an introduction

Handledare: **Rikard Bøgvad.**

Abstract: The purpose of the talk will be to give a brief introduction to wavelets and the wavelet transform. The wavelet transform has a lot in common with the windowed Fourier transform, but while the Fourier window is rigid, the wavelet varies depending on the time/ frequency ratio.

In applications wavelets are often used together with a multiresolution analysis (MRA), and it will be shown how a wavelet basis can be constructed by means of an MRA, and examples will be given to show how it helps decomposing signals.

Tid och plats: Onsdagen den 2 april kl. 11.15 – 12.15 i sal 21, hus 5, Matematiska institutionen, SU, Kräftriket.

MITTAG-LEFFLER SEMINAR

Bernard Shiffman: Off-diagonal asymptotics of the Szegő kernel and applications to deficiencies and overcrowding of random zeros on Kähler manifolds

Abstract: I shall discuss the off-diagonal asymptotics of the Szegő kernels for powers L^N of a positive line bundle L over a compact Kähler manifold M and describe applications of these asymptotics to the distribution of random zeros. In particular, I will show that the probability that a random section of L^N has a deficiency or overabundance of zeros in a fixed domain decays super-exponentially as N increases. I will also give an asymptotic formula for the variance of the number of simultaneous zeros of m ($= \dim M$) random holomorphic sections of L^N in a fixed domain.

Tid och plats: Torsdagen den 3 april kl. 15.30 – 16.30 vid Institut Mittag-Leffler, Auravägen 17, Djursholm.

KTH/NORDITA/SU SEMINAR IN THEORETICAL PHYSICS

Davide Meloni:
New physics with neutrino telescopes

Abstract: Ultrahigh energy cosmic rays (neutrinos and nucleons) provide a unique ground for probing new physics. In this seminar I will review the potential of such energetic particles to study some new physics scenarios at neutrino telescopes.

Tid och plats: Onsdagen den 2 april kl. 11.00 – 12.00 i sal FA31, Roslagstullsbacken 21, AlbaNova universitetscentrum.

MITTAG-LEFFLER SEMINAR

László Lempert:
On the structure of holomorphic Banach bundles
(after J. Kim)

Abstract: The talk is concerned with holomorphic Banach bundles (that is, vector bundles with infinite-dimensional fibres) over finite-dimensional compact manifolds. The focus will be on a class of such bundles, said to be of compact type. In the 1960's and 1970's Israel Gohberg and Jürgen Leiterer considered holomorphic Banach bundles of compact type over the Riemann sphere and proved that these bundles split into the sum of a trivial bundle and finitely many line bundles. I will discuss a generalization of this result, due to Jaehong Kim, for bundles over other bases.

Tid och plats: Torsdagen den 3 april kl. 14.00 – 15.00 vid Institut Mittag-Leffler, Auravägen 17, Djursholm.

DISPUTATION I MATEMATIK

David Jacquet

disputerar på avhandlingen

On complex convexity

måndagen den 14 april 2008 kl. 10.00 i sal 14, hus 5, Matematiska institutionen, SU, Kräftriket. Till opponent har utsetts *professor Peter Pflug,* Carl von Ossietzky Universität Oldenburg, Tyskland.

Abstract of the thesis

This thesis is about complex convexity. We compare it with other notions of convexity such as ordinary convexity, linear convexity, hyperconvexity and pseudoconvexity. We also do detailed study about $\mathbb{C}$-convex Hartogs domains, which leads to a definition of $\mathbb{C}$-convex functions of class C^1. The study of Hartogs domains also leads to a characterization theorem of bounded $\mathbb{C}$-convex domains with C^1 boundary that satisfies the interior ball condition. Both the method and the theorem are quite analogous with the known characterization of bounded $\mathbb{C}$-convex domains with C^2 boundary. We also show an exhaustion theorem for bounded $\mathbb{C}$-convex domains with C^2 boundary. This theorem is later applied, giving a generalization of a theorem of L. Lempert concerning the relation between the Carathéodory and Kobayashi metrics.

MINICOURSE IN MATHEMATICS

Michelle Bucher:
An introduction to bounded cohomology

Abstract: Bounded cohomology differs from ordinary singular or group cohomology in that instead of considering arbitrary cochains, one restricts to cochains which have finite supremum norm. As a result, bounded cohomology behaves very differently from ordinary cohomology. A fundamental difference is that the bounded cohomology of a (reasonable) topological space is isomorphic to the bounded cohomology of its fundamental group. As a consequence, topological problems translate into questions about the fundamental group, such as understanding its space of representations.

The goal of this minicourse is to give the first definitions and examples, and discuss connections between bounded group cohomology and rigidity questions. As an application, we will see how the second bounded cohomology group can be used to study the dynamics of the action of a discrete group on the circle.

Bounded cohomology is a subject of significant current activity and has proven useful in solving problems such as the non-existence of affine structures on certain closed manifolds, giving upper bounds on characteristic numbers (leading to generalized Milnor-Wood inequalities), or studying rigidity properties of group actions.

Time and place: Thursdays, April 3, 10, 17 (and April 24 if needed) at 13.15 – 14.15 in seminar room 3733, Department of Mathematics, KTH, Lindstedtsvägen 25, floor 7.

Welcome!
Carel Faber

ALBANOVA AND NORDITA COLLOQUIUM IN PHYSICS

Anvar Shukurov:
Prehistoric demography and the spread of the Neolithic: mathematical models based on radiocarbon dates

Abstract: The transition from hunting and gathering to farming, associated with the transition to the Neolithic (from about 7 000 to 4 000 BC in Europe) was a pivotal development in history. This transition, often called the "Neolithic revolution", introduced deep changes in the economic and social development of humans. With the arrival of the Neolithic, hunting and food gathering gave way to agriculture and stock breeding in many parts of Europe; pottery-making spread into even broader areas. The gradual spread of the farming technologies from the Near East to Europe is well documented by numerous radiocarbon dates. We present a mathematical model, based on a compilation of radiocarbon dates, of the spread of the Neolithic. Our population dynamics model suggests the presence of two waves of advance, one from the Near East (carrying farming technologies), and another through Eastern Europe (introducing pottery making). Thus, we provide a quantitative framework in which a unified interpretation of the Western and Eastern Neolithic can be developed.

Tid och plats: Torsdagen den 10 april kl. 15.15 – 16.15 i Oskar Kleins auditorium, Roslagstullsbacken 21, AlbaNova universitetscentrum.

OFFENTLIG FÖRELÄSNING PÅ KUNGL. VETENSKAPSAKADEMIEN

Michel Mayor:
Other worlds in the Universe

Abstract: The discovery of planets orbiting other stars has turned an old philosophical interrogation on the plurality of worlds into an object of present astrophysics. Over the last thirteen years some 300 exoplanets have been detected with masses covering the range of gaseous giant planets, icy planets and, recently, rocky planets. These discoveries have revealed the impressive diversity of exoplanet orbital properties. Such diversity has induced a profound revision of the formation mechanisms of planetary systems. Combining observations from diverse techniques, we have already acquired insight into the internal structure of these exoplanets, as well as very first characteristics of their atmosphere.

Tid och plats: Onsdagen den 9 april kl. 18.00 – 19.00 i Beijersalen, Kungl. Vetenskapsakademien, Lilla Frescativägen 4A, Stockholm.

25TH NORDIC AND 1ST BRITISH-NORDIC CONGRESS OF MATHEMATICIANS

University of Oslo, June 8 – 11, 2009

There will be 11 main speakers at the congress, giving 50 minutes plenary talks in the morning sessions, and then there will be special sessions in the afternoons.

The Scientific Committee solicits proposals for special sessions for the congress. Each proposal must include the full name, e-mail address, and institution of the person (or persons) who propose the session, and in case of several persons identify the one who will serve as the contact person for all communications about the session; the title and a brief description of the proposed session; and a sample list of speakers who the proposing organizer(s) plan to invite (please note that it is not necessary to have confirmed commitments from these speakers).

Each special session should have 3 – 8 speakers (we are flexible), and each speaker should give a talk of either 20 minutes or 40 minutes.

Proposals of special sessions must be received by the deadline May 1, 2008, and submitted by e-mail to the Chairman of the Scientific Committee, Ola Bratteli, e-mail bratteli@math.uio.no, with a cc to Ragnar Edgren Pettersen, e-mail ragnarep@math.uio.no. Late proposals will not be considered. Please be sure to submit as detailed a proposal as possible for review by the Scientific Committee.

Information about the congress can be found at http://www.math.uio.no/2009/.

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The deadline for proposals of special sessions was earlier January 1, 2008, and at this date I had received one (!) proposal. Therefore the deadline was extended to May 1, 2008, so that we can have the main program of special sessions (with titles and organizers) clear at June 1, 2008. I hope that all of you will be active at your home turf to produce suggestions for special sessions.

Ola Bratteli
Chairman of the Scientific Committee

POPULÄRVETENSKAPLIG FÖRELÄSNING I FYSIK

Sten Hellman:
Mot materiens inre med ATLAS-experimentet:
Om nya upptäckter med LHC vid CERN

Sammanfattning: Senare under året kommer ATLAS-detektorn vid CERN:s nya accelerator LHC att registrera data för första gången. Förhoppningarna är stora att data från ATLAS och LHC kommer att ge svar på någon eller några av de stora frågorna inom elementarpartikelfysiken, som: Vad består universums mörka materia av? Hur uppstår massa? Finns det fler än tre rumsdimensioner? Föreläsningen ger en kort introduktion till hur det egentligen går till att göra partikelfysik och försöker sedan förklara hur ATLAS-experimentet kan komma att ge svar på frågorna ovan, och kanske ställa oss inför nya frågor.

Tid och plats: Onsdagen den 9 april kl. 19.00 i Oskar Kleins auditorium, Roslagstullsbacken 21, AlbaNova universitetscentrum.

MONEY, JOBS

Columnist: Johannes Lundqvist, Department of Mathematics, Stockholm University. E-mail: johannes@math.su.se.

Info = information. This will be given and repeated until obsolete. Rely on other sources as well.
BBKTH = Bulletin Board at the Department of Mathematics, KTH.
BBSU = Bulletin Board at the Department of Mathematics, SU.
The following information, with links, is also available at http://www.math.su.se/~johannes/mj.html.en.
Unless stated otherwise, a given date is the last date (e.g. for applications), and the year is 2008. A number without an explanation is a telephone number.

Standard information channels

1. A channel to information from Vetenskapsrådet: http://www.vr.se/naturteknik/index.asp.
2. A channel to information from the European Mathematical Society: http://www.emis.de.
3. A channel to information from the American Mathematical Society: http://www.ams.org.
4. KTH site for information on funds: http://www.kth.se/aktuellt/stipendier.
5. Stockholm University site for information on funds: http://www2.su.se/forskning/stipendier/databas.php3.
6. Umeå site for information on funds: http://www.umu.se/umu/aktuellt/stipendier_fond_anslag.html.
7. Job announcement site: http://www.maths.lth.se/nordic/Euro-Math-Job.html. This is run by the European Mathematical Society.
8. Stiftelsen för internationalisering av högre utbildning och forskning (STINT) site for information on funds: http://www.stint.se.
9. Nordisk Forskerutdanningsakademi (NorFA) site for information on funds: http://www.norfa.no.
10. Svenska institutet (SI) site for information on funds: http://www.si.se.

New information

Money to apply for

11. Stockholms universitet utlyser flera donationsstipendier för studerande vid SU (forskarstuderande prioriteras av de flesta fonderna). Sista ansökningsdag är den 15 april. Webinfo: http://www.su.se/pub/jsp/polopoly.jsp?d=775.

Jobs to apply for

12. Uppsala University declares four PhD positions in Statistics at the Department of Information Science to be open for application. Two of these are connected to the project "Econometrics and Cointegration". The last day for application is April 15. Web-info: http://www.personalavd.uu.se/ledigaplatser/715dorand_eng.html.

(Continued on the next page.)

Old information

Money to apply for

13. Kungl. Vetenskapsakademien har två olika avtal om postdoc-stipendier för vistelse i Japan för forskning inom bland annat matematik. Det första avtalet omfattar ett till två års vistelse, och det andra omfattar 15 dagar till 11 månaders vistelse. Resekostnader och kostnader under vistelsen täcks av The Japan Society for the Promotion of Science (JSPS). Sista ansökningsdag är den 2 april. Web-info: http://www.kva.se/KVA_Root/swe/awards/scholarships/detail_scholarships.asp?grantsId=25 respektive http://www.kva.se/KVA_Root/swe/awards/scholarships/detail_scholarships.asp?grantsId=41.
14. Kungl. Vetenskapsakademien har avtal om forskarutbyte omfattande två veckor till sex månaders vistelse i Japan för studier/forskning inom bland annat matematik. Resan skall påbörjas under perioden 1 april – 31 december 2008. Sista ansökningsdag är den 2 april. Web-info: http://www.kva.se/KVA_Root/swe/awards/scholarships/detail_scholarships.asp?grantsId=18.

Jobs to apply for

15. Linköpings universitet söker minst en universitetslektor i tillämpad matematik. Sista ansökningsdag är den 7 april. Web-info: http://www.liu.se/jobbdb/show.html?2381.
16. Göteborgs universitet söker en biträdande universitetslektor i optimering med tillämpning inom medicin. Tjänsten är placerad vid Matematiska vetenskaper (samverkande med CTH). Det huvudsakliga forskningsområdet ligger inom projektet "Optimerad strålbehandling av cancer via biologiska modeller av bot och biverkningar och en förbättrad planering av dosfördelningen i intensitetsmodulerad radioterapi". Sista ansökningsdag är den 24 april. Web-info: http://www.math.chalmers.se/bitrlektoroptimering080229eng.pdf.
17. Göteborgs universitet söker en universitetslektor i matematisk statistik med inriktning mot statistisk inferens. Tjänsten är placerad vid Matematiska vetenskaper (samverkande med CTH). Sista ansökningsdag är den 22 maj. Web-info: http://www.math.chalmers.se/univlektormatematiskstatistik080228eng.pdf.
18. Chalmers tekniska högskola söker en professor i matematisk statistik. Sista ansökningsdag är den 22 maj. Web-info: http://www.math.chalmers.se/ProfMathStat4March08.pdf.