BRÅKET

Information om seminarier och högre undervisning i matematiska ämnen i Stockholmsområdet

NR 32 **FREDAGEN DEN 10 OKTOBER 2008**

BRÅKET

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

Redaktör: Gunnar Karlsson

Telefon: 08-790 84 79

Adress för e-post: gunnarkn@math.kth.se

Bråket på Internet: http://www.math.kth.se/braaket.html eller http://www.math.kth.se/braket/

Postadress:
Red. för Bråket
Institutionen för matematik
KTH
100 44 Stockholm

- - - - - - -

Sista manustid för nästa nummer:
Torsdagen den 16 oktober kl. 13.00.

SEMINARIER

Fr 10–10 kl. 13.15 – 14.15. Graduate Student Seminar. Neil Dobbs, Matematik, KTH: *Title to be announced.* Seminarierum 3721, Institutionen för matematik, KTH, Lindstedtsvägen 25, plan 7.

Må 10–13 kl. 10.00. Docentföreläsning i matematik. Rolf Källström: *What is a regular ring?* Rum 306, hus 6, Matematiska institutionen, SU, Kräftriket. Se sidan 4.

Ti 10–14 kl. 13.15. Plurikomplexa seminariet. Michael Shapiro, East Lansing: *Wall-crossing formula for double Hurwitz numbers.* Rum 306, hus 6, Matematiska institutionen, SU, Kräftriket. Se sidan 4.

Fortsättning på nästa sida.

Disputation i datalogi

Elin Anna Topp disputerar på avhandlingen *Human-Robot Interaction and Mapping with a Service Robot: Human Augmented Mapping* måndagen den 13 oktober kl. 10.15 i sal F3, KTH, Lindstedtsvägen 26, b.v. Se Bråket nr 31 sidan 5.

Money, jobs: Se sidorna 9 – 10.

Disputation i optimeringslära och systemteori

Giovanna Fanizza disputerar på avhandlingen *Modeling and Model Reduction by Analytic Interpolation and Optimization* fredagen den 10 oktober kl. 10.00 i sal F3, KTH, Lindstedtsvägen 26, b.v. Se Bråket nr 31 sidorna 6 – 7.

Stochastic Differential Equations: Models and Numerics

En workshop med denna titel skall äga rum vid KTH den 20 – 22 oktober. Se sidan 6.

The 2008 Rolf Schock Prize Symposium in Mathematics

Detta skall äga rum vid KVA torsdagen den 23 oktober. Se sidorna 6 – 7.

Kurs

Stephanie Yang: Moduli of curves. Se sidan 7.

Seminarier (fortsättning)

On 10–15 kl. 10.00 – 11.00. Presentation av examensarbete i matematik (15 högskolepoäng, påbyggnadsnivå). **Susanne Thon:** *The Mathematical Background of Artificial Neural Networks and their Application in the Medical Technology Project NIVA^B.* Handledare: **Andreas Völkel.** Sal 21, hus 5, Matematiska institutionen, SU, Kräftriket. Se sidan 3.

On 10–15 kl. 10.00 – 11.45. Logikseminariet Stockholm-Uppsala. Dr Tor Sandqvist, Institutionen för filosofi och teknikhistoria, KTH: *Disjunction-like operators and proof-theoretic harmony.* Sal 16, hus 5, Matematiska institutionen, SU, Kräftriket.

On 10–15 kl. 10.15 – 12.00. Kombinatorikseminarium. Michelle Wachs, University of Miami: *Homology of Rees products of posets and permutation enumeration.* Seminarierum 3733, Institutionen för matematik, KTH, Lindstedtsvägen 25, plan 7. Se sidan 5.

On 10–15 kl. 13.00. Seminarium i statistik. Fan Yang Wallentin, Uppsala universitet: *Confirmatory factor analysis of ordinal variables with misspecified models.* Sal B705, Statistiska institutionen, SU, Universitetsvägen 10B, plan 7, Frescati. Se sidan 5.

On 10–15 kl. 13.15. Algebra and Geometry Seminar. Sergei Merkulov: *Title to be announced.* Rum 306, hus 6, Matematiska institutionen, SU, Kräftriket.

On 10–15 kl. 13.15 – 15.00. Seminarium, arrangerat av Avdelningen för säkerhetsforskning, KTH. Tekn. lic. Maria Bartsch, Svenska Kraftnät och Avdelningen för säkerhetsforskning, KTH: *Hur hanteras risk för dammbrott i Sverige?* V:s seminarierum 156, KTH, Teknikringen 78A, 1 tr. Se sidan 9.

On 10–15 kl. 14.30 – 15.30. KCSE (KTH Computational Science and Engineering Centre) Seminar. Anders Hedenström, Lunds universitet: *Animal flight as seen through the side-wall of a wind tunnel.* Rum RB 15, Roslagstullsbacken 15, AlbaNova universitetscentrum. Se Bråket nr 31 sidan 7.

On 10–15 kl. 16.00. KTH/SU Mathematics Colloquium. Professor Adimurthi, Tata Institute, Bangalore: *Critical exponent problem in two dimensions.* Sal 14, hus 5, Matematiska institutionen, SU, Kräftriket. Kaffe/te serveras kl. 15.30 i lunchrummet, hus 6. Se sidan 5.

To 10–16 kl. 13.15 – 14.15. DNA-seminariet Uppsala-KTH (Dynamical systems, Number theory, Analysis). Håkan Hedenmalm: *Heisenberg uniqueness pairs and the Klein-Gordon equation.* Seminarierum 3721, Institutionen för matematik, KTH, Lindstedtsvägen 25, plan 7.

To 10–16 kl. 14.00 – 15.00. Institut Mittag-Leffler Seminar. Gregory Galloway, University of Miami: *Stability of marginally trapped surfaces, and applications.* Institut Mittag-Leffler, Auravägen 17, Djursholm. Se sidan 4.

To 10–16 kl. 14.45 – 15.45. DNA-seminariet Uppsala-KTH (Dynamical systems, Number theory, Analysis). Daniel Schnellmann: *Almost sure equidistribution in expansive families.* Seminarierum 3721, Institutionen för matematik, KTH, Lindstedtsvägen 25, plan 7. Se sidan 8.

To 10–16 kl. 15.15 – 16.15. AlbaNova and Nordita Colloquium in Physics. Christian Spiering, DESY, Zeuthen: *Status and perspectives of astroparticle physics in Europe.* Oskar Kleins auditorium, Roslagstullsbacken 21, AlbaNova universitetscentrum. Se Bråket nr 31 sidan 8.

Fortsättning på nästa sida.

Seminarier (fortsättning)

To 10–16 kl. 15.30–16.30. Institut Mittag-Leffler Seminar. Lan-Hsuan Huang, Stanford University: *Constant mean curvature foliation for isolated systems with general asymptotics.* Institut Mittag-Leffler, Auravägen 17, Djursholm. Se sidan 7.

Fr 10–17 kl. 9.00. Licentiatseminarium i matematik. David Eklund presenterar sin licentiatavhandling: *Algebraic C^*-actions and homotopy continuation.* Opponent: **Professor Chris Peterson,** Colorado State University, USA. Seminarierum 3721, Institutionen för matematik, KTH, Lindstedtsvägen 25, plan 7.

Observera att tiden för David Eklunds licentiatseminarium har ändrats.

On 10–22 kl. 13.15–14.15. Seminarium i analys och dynamiska system. Håkan Eliasson, Paris: *Dynamical localization for the discrete one-dimensional quasi-periodic Schrödinger equation.* Seminarierum 3721, Institutionen för matematik, KTH, Lindstedtsvägen 25, plan 7. Se sidan 8.

Fr 10–24 kl. 11.00. Optimization and Systems Theory Seminar. Johan Karlsson, Optimeringslära och systemteori, KTH: *Inverse problems in Analytic Interpolation for Robust Control and Spectral Estimation.* Seminarierum 3721, Institutionen för matematik, KTH, Lindstedtsvägen 25, plan 7.

Fr 10–24 kl. 11.00–12.00. KTH/SU Mathematics Colloquium. *(Observera dagen, tiden och lokalen!)* **Hillel Furstenberg,** The Hebrew University of Jerusalem, Israel: *Ergodic fractal measures.* Sal E3, KTH, Osquars Backe 14, 2 tr. Se sidan 8.

Fr 10–24 kl. 13.15–14.15. Graduate Student Seminar. Oscar Andersson Forsman, Matematik, KTH: *Title to be announced.* Seminarierum 3721, Institutionen för matematik, KTH, Lindstedtsvägen 25, plan 7.

PRESENTATION AV EXAMENSARBETE I MATEMATIK

Susanne Thon:
The Mathematical Background of Artificial Neural Networks and their Application in the Medical Technology Project NIVA^{B}

Handledare: **Andreas Völkel.**

Abstract: One of the most important features of the human brain is its ability to learn. The way in which the synapses between the brain's neurons are adapted in new situations is unique, and the total capacity of biological neural networks has not been able to be simulated. Yet artificial neural networks are a powerful tool in pattern recognition and calculation as they are able to approximate any continuous multidimensional function. The proof of this property goes back to Kolmogorov and will be one of the main results which we will present in this thesis.

After giving the mathematical background of neural networks, we will turn to an application in medical technology. In the project NIVA^{B} (non-invasive determination of blood glucose level) neural networks are used for the calculation of blood glucose. On the basis of this project we will in the second part of this thesis demonstrate how neural networks can be realized with Matlab.

Tid och plats: Onsdagen den 15 oktober kl. 10.00–11.00 i sal 21, hus 5, Matematiska institutionen, SU, Kräftriket.

DOCENTFÖRELÄSNING I MATEMATIK

Rolf Källström:
What is a regular ring?

Abstract: Let A be the local ring at a point p in a variety $X \subset \mathbf{C}^n$, where $\mathbf{C}$ is the field of complex numbers. To make X resemble an affine space near p, Zariski introduced the notion of non-singular variety, based on Krull's notion of regular ring. If this holds, "differential calculus" near p is easy to work with. For instance, it turns out that regularity is equivalent to having a free module of Kähler differentials Ω_A, resulting in a Jacobian criterion of regularity. Let $T_A = \mathrm{Hom}_A(\Omega_A, A)$ be the module of derivations of A, so T_A acts on A as ordinary derivations. A less known characterization of regularity is that A contains no T_A-invariant ideals if and only if A is a regular ring. Since Ω_A is free when A is regular, clearly T_A is a free A-module. Zariski asked Lipman if the converse may hold: if T_A is free, does it follow that A is regular? Lipman settled this in the affirmative for certain cases (Scheja-Storch did hyperrurfaces, Hochster did graded rings), but the general case remains open. Assuming the variety V is defined locally at p by a regular sequence, so A is a complete intersection ring, we will see that if T_A is free and the codimension of the singularities of X at p is at least 3, then A is regular. Finally, if we have the time, I will show that an A-module of finite type M is free if T_A can act on M, and that this follows if $\mathrm{Ext}^1_A(M, M) = 0$.

Tid och plats: Måndagen den 13 oktober kl. 10.00 i rum 306, hus 6, Matematiska institutionen, SU, Kräftriket.

PLURIKOMPLEXA SEMINARIET

Michael Shapiro:
Wall-crossing formula for double Hurwitz numbers

Abstract: Double Hurwitz numbers count meromorphic functions with prescribed multiplicities of zeroes and poles and fixed simple branching values. It was shown by Goulden, Jackson, and Vakil that genus g degree d double Hurwitz numbers are given by a piecewise polynomial function in terms of these multiplicities. We give a description of polynomiality chambers and a wall crossing formula for genus 0, and discuss higher genus results.

This talk follows a joint paper with Sergei Shadrin and Alek Vainshtein, and work in progress with Hannah Markwig, Paul Jonsson, and Renzo Cavalieri.

Tid och plats: Tisdagen den 14 oktober kl. 13.15 i rum 306, hus 6, Matematiska institutionen, SU, Kräftriket.

INSTITUT MITTAG-LEFFLER SEMINAR

Gregory Galloway:
Stability of marginally trapped surfaces, and applications

Abstract: We discuss the notion of the stability of marginally trapped surfaces, with and without boundary, and consider some applications to problems in GR concerning, for example, the size of material bodies, and the topology and area of black holes.

Tid och plats: Torsdagen den 16 oktober kl. 14.00 – 15.00 vid Institut Mittag-Leffler, Auravägen 17, Djursholm.

KOMBINATORIKSEMINARIUM

Michelle Wachs:
Homology of Rees products of posets and permutation enumeration

Abstract: The notion of Rees product of posets was introduced by Anders Björner and Volkmar Welker as part of a study dealing with connections between poset topology and commutative algebra. By computing the homology of certain Rees product posets, John Shareshian and I discovered some surprising enumerative results. These include a q-analogue of a formula of Euler for the exponential generating function of the Eulerian polynomials. Our q-analogue involves the joint distribution of major index and excedance number. In this talk I will discuss the particular Rees product posets that led to our enumerative results and present some open problems on the homology of these and other Rees product posets.

Tid och plats: Onsdagen den 15 oktober kl. 10.15 – 12.00 i seminarierum 3733, Institutionen för matematik, KTH, Lindstedtsvägen 25, plan 7.

SEMINARIUM I STATISTIK

Fan Yang Wallentin:
Confirmatory factor analysis of ordinal variables with misspecified models

Abstract: Ordinal variables are common in many empirical investigations in the social and behavioural sciences. Researchers often apply Maximum Likelihood Confirmatory Factor Analysis (CFA), which assumes that the observed measures have normal distributions. A better approach is to use polychoric correlations and fit the models using some robust method such as Robust Unweighted Least Squares (RULS), Robust Maximum Likelihood (RML), Weighted Least Squares (WLS), or Diagonally Weighted Least Squares (DWLS). In this simulation evaluation we study the behaviour of RULS, RML, WLS, and DWLS in combination with polychoric correlations when models are misspecified. We also study the effect of model size and number of categories of all variables.

Tid och plats: Onsdagen den 15 oktober kl. 13.00 i sal B705, Statistiska institutionen, SU, Universitetsvägen 10B, plan 7, Frescati.

KTH/SU MATHEMATICS COLLOQUIUM

Adimurthi:
Critical exponent problem in two dimensions

Abstract: Critical exponent problems are non-compact problems which arise in studying many geometrical phenomena. In view of the Trudinger Imbedding, the critical exponent in two dimensions vastly differs from that in higher dimensions. For example, the best constants are always achieved by the results of Moser, Carleson and Chang. This is in contrast with that in higher dimensions. In this talk I will describe the existence, uniqueness and blow-up phenomena for the critical exponent problem in two dimensions.

Tid och plats: Onsdagen den 15 oktober kl. 16.00 i sal 14, hus 5, Matematiska institutionen, SU, Kräftriket. Kaffe/te serveras kl. 15.30 i lunchrummet, hus 6.

STOCHASTIC DIFFERENTIAL EQUATIONS: MODELS AND NUMERICS

This workshop will take place during October 20 – 22, 2008, at the School of Computer Science and Communication (CSC), KTH. Its main focus is on modeling with stochastic differential equations and their numerical approximation.

The scientific topics include:

- Modeling with stochastic differential equations.
- Modeling error.
- Discretization error.
- Error control.
- Parameter estimation.
- Computation with invariant measures.

There will be three main application oriented talks on the following subjects:

- **Johan Elf,** Uppsala University: *Computational Biology.*
- **Dionisios Vlachos,** University of Delaware: *Computational Chemistry.*
- **Petter Holme,** KTH: *Networks.*

Organizers:
Anders Szepessy, CSC and Mathematics, KTH.
Raul Tempone, Dahlquist Research Fellow, CSC, KTH, and Mathematics, Florida State University.

Complete information about the workshop, including a schedule for all lectures, can be found at the following address:
http://www.kth.se/csc/om/priser/dqf/DqFWorkshop/1.23229?l=en_UK.

Welcome!
Anders Szepessy Raul Tempone

THE 2008 ROLF SCHOCK PRIZE SYMPOSIUM IN MATHEMATICS

The Royal Swedish Academy of Sciences
Thursday, October 23, 2008

The 2008 Rolf Schock Laureate Endre Szemerédi is an outstanding mathematician working in combinatorics and number theory. He is best known for his proof from 1975 of an old conjecture of Erdös and Turàn, which says: If a subset of the positive integers has positive upper density, then it contains arbitrarily long arithmetic progressions.

This was proved by purely combinatorial methods by Szemerédi, but there are now other proofs. In particular Furstenberg found a completely different proof in 1977 using Ergodic Theory. Ideas based around Szemerédi's theorem have been essential in work that was awarded by two recent Fields medals. Gowers used Fourier analytic methods to prove Szemerédi's theorem in work from 1998 and 2001.

One of the most striking results in mathematics during the last few years, also based on these ideas, was the work of Green and Tao, in 2004, where they proved that the set of prime numbers contains arbitrarily long arithmetic progressions. Several of the mathematicians who made the main contributions to this area will speak at the symposium.

The lectures will be given at Beijersalen, the Royal Swedish Academy of Sciences (Kungl. Vetenskapsakademien), Lilla Frescativägen 4A, Stockholm.

(Continued on the next page.)

No registration is required to attend the symposium. Lunch will be at the own expense of the participants. If you have any questions regarding the symposium, please contact the program coordinator Astrid Auraldsson (08-673 96 19, astrid@kva.se).

Program

9.30 **Timothy Gowers,** University of Cambridge, UK: *The impact of Szemerédi's theorem on Fourier analysis.*

10.45 **Laszlo Lovasz,** Eötvös Lorand University, Hungary: *Many facets of the Regularity Lemma.*

11.45 Lunch.

13.30 **Endre Szemerédi,** Rutgers, The State University of New Jersey, USA: *A structural approach to subset-sum problems.*

14.45 **Ben J. Green,** University of Cambridge, UK: *Four term arithmetic progressions.*

15.45 Coffee.

16.15 **Hillel Furstenberg,** The Hebrew University of Jerusalem, Israel: *Combinatorial number theory in the service of dynamics.*

Welcome!

INSTITUT MITTAG-LEFFLER SEMINAR

Lan-Hsuan Huang:
Constant mean curvature foliation for isolated systems with general asymptotics

Abstract: We will discuss the existence and the uniqueness of the foliation by stable spheres with constant mean curvature for asymptotically flat manifolds, satisfying the Regge-Teitelboim condition at infinity. This work generalizes the earlier results of Huisken-Yau, Ye, and Metzger.

Tid och plats: Torsdagen den 16 oktober kl. 15.30 – 16.30 vid Institut Mittag-Leffler, Auravägen 17, Djursholm.

MINICOURSE IN MATHEMATICS

Stephanie Yang: Moduli of curves

Abstract: The moduli space $\overline{\mathcal{M}}_g$ of genus g algebraic curves was first defined by Deligne and Mumford in 1969. These spaces exhibit a rich structure and have become, along with their n-pointed counterparts $\overline{\mathcal{M}}_{g,n}$ some of the most studied objects in algebraic geometry. In this course we will start with basic definitions of these moduli spaces and discuss their geometric and topological properties. Further topics to be covered may include: birational geometry of $\overline{\mathcal{M}}_g$ and the F-conjecture, recent developments involving the ample and effective cones of $\overline{\mathcal{M}}_g$, the tautological ring, and intersection theory on $\overline{\mathcal{M}}_{g,n}$.

Time and place: Thursdays, October 16, 23, 30 and November 6, at 13.15 – 14.15 in seminar room 3733, Department of Mathematics, KTH, Lindstedtsvägen 25, floor 7.

Welcome!
Carel Faber

DNA-SEMINARIET UPPSALA-KTH (DYNAMICAL SYSTEMS, NUMBER THEORY, ANALYSIS)

Daniel Schnellmann:
Almost sure equidistribution in expansive families

Abstract: We give a geometric proof of a result of Koksma about equidistributed sequences of real numbers in $[0, 1)$. Koksma considered especially the sequence $\theta^j \bmod 1$, $j \geq 1$, and proved that it is equidistributed for Lebesgue almost every $\theta > 1$. The advantage of the method presented in the talk is that it can be generalized to higher dimensions.

The talk is based on joint work with M. Björklund.

Tid och plats: Torsdagen den 16 oktober kl. 14.45 – 15.45 i seminarierum 3721, Institutionen för matematik, KTH, Lindstedtsvägen 25, plan 7.

SEMINARIUM I ANALYS OCH DYNAMISKA SYSTEM

Håkan Eliasson:
Dynamical localization for the discrete one-dimensional quasi-periodic Schrödinger equation

Abstract: The quasi-periodic Schrödinger equation in one space dimension has been intensively studied, both as a finite-dimensional and as an infinite-dimensional dynamical system since the work of Dinaburg & Sinai in the middle 1970's and of Fröhlich & Spencer & Wittwer and Sinai in the late 1980's. We shall discuss the property of dynamical localization for this equation in the strong coupling regime.

Tid och plats: Onsdagen den 22 oktober kl. 13.15 – 14.15 i seminarierum 3721, Institutionen för matematik, KTH, Lindstedtsvägen 25, plan 7.

KTH/SU MATHEMATICS COLLOQUIUM

Hillel Furstenberg:
Ergodic fractal measures

Abstract: We shall describe a generalized phenomenon of "self-similarity" which shows up in a broad family of fractals. An example is the typical Brownian motion path in dimension $d > 2$, for which the "scenery" when "zooming down" to almost any point of the path is identical, in an appropriate statistical sense. It will be convenient to deal with measures supported on fractals rather than with the fractals themselves, and in this context we can avail ourselves of machinery from ergodic theory. In particular we point to a class of natural measure valued Markov processes, for which the typical measure appearing displays the type of self-similarity referred to here.

Tid och plats: Fredagen den 24 oktober kl. 11.00 – 12.00 i sal E3, KTH, Osquars Backe 14, 2 tr.

SEMINARIUM, ARRANGERAT AV AVDELNINGEN FÖR SÄKERHETSFORSKNING, KTH

Maria Bartsch:
Hur hanteras risk för dammbrott i Sverige?

Sammanfattning: Seminariet kommer att behandla det svenska systemet för hantering av dammsäkerhet. Landets dammbestånd, rollfördelning och drivkrafter i dammsäkerhetsutvecklingen beskrivs, liksom exempel på aktuella projekt och utvecklingsområden.

Tid och plats: Onsdagen den 15 oktober kl. 13.15 – 15.00 i V:s seminarierum 156, KTH, Teknikringen 78A, 1 tr.

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://www2.math.su.se/~johannes/mj.html.
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. Stiftelsen G. S. Magnusons fond utdelar stipendier och anslag inom ämnesområdet matematik för följande ändamål: Stöd till doktorander. Stöd till den som önskar ytterligare meritera sig efter doktorsexamen. Stöd till svenska forskare för forskning hemma eller i utlandet samt för inbjudan av utländska gästforskare. Bidrag för att kvarhålla forskare inom landet. Stöd till den som inom sin verksamhet utnyttjar matematik och som önskar bidrag till vetenskaplig förkovran inom ämnet. Sista ansökningsdag är den 2 februari 2009. Web-info:
http://www.kva.se/KVA_Root/swe/awards/scholarships/detail_scholarships.asp?grantsId=45.

(Continued on the next page.)

Jobs to apply for

12. Umeå universitet söker två universitetslektorer i matematik, varav en är med inriktning mot matematisk analys. Sista ansökningsdag är den 15 december. Web-info: http://www.umu.se/umu/aktuellt/arkiv/lediga_tjanster/312-3204,3036-08.html.

13. Umeå universitet söker en professor i matematisk statistik. Sista ansökningsdag är den 15 december. Web-info: http://www.umu.se/umu/aktuellt/arkiv/lediga_tjanster/311-3037-08.html.

Old information

Money to apply for

14. Stiftelsen för internationalisering av högre utbildning och forskning (STINT) välkomnar ansökningar till programmet Institutional Grants for Younger Researchers. Programmet riktar sig till yngre forskare som tidigt i sin karriär — högst sju år efter disputationen — vill bygga upp ett internationellt samarbete med andra yngre forskare. Forskningssamarbete skall utgöra tyngdpunkten, men aktiviteter som t.ex. undervisning, seminarier, gemensamma kurser och sommarskolor kan utgöra en del av samarbetet. Bidrag om högst 400 000 kr per år kan beviljas för upp till tre år. Sista ansökningsdag är den 15 oktober. Web-info: http://www.stint.se/index.php?articleId=137.

Jobs to apply for

15. Skolan för datavetenskap och kommunikation (CSC) vid KTH kungör "the Dahlquist Postdoctoral Fellowship", uppkallat efter professor Germund Dahlquist, KTHs pionjär inom numerisk analys. Priset är forskning på heltid på KTH Numerisk Analys. Prisperioden är ett år, och kan förlängas med ytterligare ett år. Sista ansökningsdag är den 15 november. Web-info: http://www.kth.se/csc/om/priser/dqf/1.14813?l=sv_SE.

16. University of Iceland söker en "Associate Professor" i tillämpad matematik. Sista ansökningsdag är den 1 november. Web-info: http://www.raunvis.hi.is/Reiknifr/.