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MEDEDELINGEN VAN HET KONINKLIJK WISKUNDIG GENOOTSCHAP, 2015 nr. 20
20 november (elektronische aflevering)
De eerstvolgende aflevering verschijnt omstreeks 11 december 2015.
Kopij kan worden gestuurd naar medwg@cwi.nl; agenda-items kunnen ook
worden aangeboden via de website www.wiskgenoot.nl

Mededeling van het Bestuur
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Prof. dr. Henk Broer, van 2004-2012 lid van het bestuur van het KWG, en in
de periode 2006-2009 voorzitter van het KWG, is vandaag door de Koning
benoemd tot Ridder in de Orde van de Nederlandse Leeuw. Henk Broer kreeg
deze onderscheiding na het uitspreken van zijn afscheidsrede in Groningen,
getiteld: "Alles stroomt, maar waarheen?".

Tijdens zijn voorzitterschap is het Platform Wiskunde Nederland opgericht
ter verbetering van de positie van de wiskunde in Nederland. In 2008 heeft,
mede onder auspiciën van het KWG, het 5th European Congress of Mathematics
in Amsterdam plaatsgevonden.

Voor meer informatie zie de website: http://www.wiskgenoot.nl/

Mede namens de leden van het KWG feliciteert het bestuur Henk Broer van
harte met deze Koninklijke onderscheiding.

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1. Agenda
2. Colleges, voordrachten en cursussen
3. Vacatures
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1. Agenda
Van de met * aangeduide activiteiten vindt men bijzonderheden in de rubriek
Colleges, voordrachten en cursussen.

26/27-11	Lunteren:	Diamant Symposium

Invited speakers include: Jop Briët (CWI), William Cook (Univ. Waterloo), Neil Dummigan (Univ. Sheffield), Iwan Duursma (Univ. Illinois at Urbana-Champaign), Viresh Patel (Univ. Amsterdam), Sebastian Schoennenbeck (Univ. Aachen), and Rainer Schulze-Pillot (U Saarbrucken). There will be a special afternoon (on Friday) on *Lattices and automorphic forms*.
We welcome contributed talks by PhD students and postdocs. Title and abstract can be submitted while registering for the symposium, or at a later date.
Please do not hesitate to encourage PhD students and postdocs in your surroundings to contribute a talk !
The venue is Conference Center De Werelt in Lunteren. The symposium starts on Thursday 26 November at 11 AM.
Everybody is cordially invited to attend, but registration is necessary, via the above webpage. The registration deadline is Sunday, 15 November.
Diamant PhD and master students pay a reduced conference fee of only €50, other Diamant members pay €80. This fee includes accommodation, meals (2 lunches, 1 dinner, 1 breakfast), and coffee breaks.
Website for information and registration

3-12   *Amsterdam: CWI lectures on Quantum Computing

3-12   UU: Staffcoloquium
                Martijn Kool (Utrecht)
                Enumerative geometry: from Ancient Greeks to Modern Physicists
                15.30-16.30, room 611 of the Hans Freudenthal building ,

formerly known as the Wiskunde/Maths building, (campus De Uithof). The lecture is preceded by coffee, tea, and cookies from 15.00 to 15.30, in the same room
[Information](#)

3-12 Twente: Oratie Prof.dr. M.N.M. van Lieshout
Titel: *Kansen in ruimte en tijd*
Locatie: Prof.ir. M.P. Breedveld-zaal, gebouw de Waaier, 16 u.
Wilt u deze plechtigheid bijwonen?
Meldt u zich dan vóór 3 december aan via de [website](#)

4-12 Utrecht: Mark Kac seminar
11.15-13 Milton Jara (IMPA, Rio de Janeiro)
The weak KPZ universality conjecture II
14.30-16.15 Milton Jara (IMPA, Rio de Janeiro)
*The weak KPZ universality conjecture II*I
The Mark Kac seminar is supported by FOM and is an activity of the STAR stochastics cluster
[Website](#)

8-12 *Utrecht: Invitation: Introducing new colleagues 3TU.AMI

9/10-12 *Brussels, Belgium: Post-Snowden Cryptology workshop

10-12 UU: Staffcoloquium
Andreas Ott (Heidelberg)
Title to announced
15.30-16.30, room 611 of the Hans Freudenthal building , formerly known as the Wiskunde/Maths building, (campus De Uithof). The lecture is preceded by coffee, tea, and cookies from 15.00 to 15.30, in the same room
[Information](#)

11-12 Leiden: 9th Belgian-Dutch Algebraic Geometry Day
13.30-14.30 David Holmes (Leiden), *Models of degenerating jacobians*
15-16 Clément Dupont (MPIM, Bonn), *Motives of bi-arrangements*
16.30-17.30 Misha Verbitsky (ULB, Bruxelles), *Transcendental Hodge algebra*
Location: Snellius Building, room 407-409 Math. Dept.
[Website](#)

18-12 Leiden: Meetkunde in Wintertij/Geometry in Winter
A memorial symposium for Prof. dr. A.H.J.M. van de Ven
Speakers: K. Amerik, A. Beauville, F. Catanese, K. Hulek, C. Peters.
[Website](#)

9-1-2016 Utrecht: Wintersymposium 2016
Thema: *Analytische meetkunde*
Nadere informatie over het programma wordt in de loop van het najaar bekend gemaakt.
Organisator: Koninklijk Wiskundig Genootschap

18/22-1-2016 UK: Opening Workshop (SDBW01)
"Isaac Newton Institute Programme on
Stochastic Dynamical Systems in Biology: Numerical Methods and Applications"
[Website](#)

25/27-1-2016 Lunteren: 15th Winter school on Mathematical Finance
Mini courses, short lectures and special invited lectures
Organisers: Hans Schumacher (Tilburg Univ.) and Peter Spreij (Korteweg-de Vries Institute for Mathematics, Univ. van Amsterdam)
[Website](#)

22/23-3-2016	Amsterdam: BeNeLuxMC2016 Wordt onder auspiciën van het KWG, en in samenwerking met het Belgische en het Luxemburgse Wiskundig genootschap georganiseerd.
8-4-2016	UvA: Congres Leve de Wiskunde! Website, e-mail
10/16-4-2016	Besteni, Roemenië: European Girls Mathematical Olympiad (EGMO) Organisator: Nederlandse Wiskunde Olympiade Website, e-mail.
29/30-5-2016	Eindhoven: Benelux Wiskunde Olympiade (BxMo) Organisator: Nederlandse Wiskunde Olympiade Website, e-mail
27-6/2-7-2016	Caen, France: 17th International Conference on Fibonacci Numbers and Their Applications Location: Université de Caen Normandie Website
6/16-7-2016	Hong Kong, China: Internationale Wiskunde Olympiade
18/23-9-2016	Bonn: 4th Heidelberg Laureate Forum Information, email
9-12-2016	Amsterdam: One-day symposium "L.E.J. Brouwer, fifty years later" Location: Amsterdam Science Park The symposium is organized under auspices of the KWG. Organizers: Dirk van Dalen, Jan Willem Klop, Jan van Mill and Geurt Jongbloed.

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2. Colleges, voordrachten en cursussen

Utrecht

Invitation: Introducing new colleagues 3TU.AMI
Date: December 8, NH Hotel, Utrecht (on walking distance from Central Station)
14:00-17:00 (lunch from 13:00)
Thanks to the budget of the Applied Mathematics Institute of 3TU for new research positions the three deans of Applied Mathematics were able to recruit new colleagues. In this afternoon seminar four new colleagues will present themselves and they will tell us more about their future research plans.

Admission: free
Registration

Program:
13:00 – 13:55   Lunch
13:55 – 14:00   Welcome by Kees Vuik, director of 3TU.AMI
14:00 – 14:35   Lech Grzelak, TUD, Numerical Analysis
14:35 – 15:10   Leo van Iersel, TUD, Optimization
15:10 – 15:40   Coffee break
15:40 – 16:15   Jasper Goseling, UT, Stochastic Operations Research
16:15 – 16:50   Edwin van den Heuvel, TUE, Statistics
16:50 – 17:00   Added value of 3TU research budget
17:00 – 18:00   Drinks

Amsterdam

CWI Lectures on Quantum Computing
Date: 3 December, 2015, CWI, room Turing
You are cordially indivited to attend. Several internationally renowned
speakers will bring you up-to-date on the exciting topic of quantum com-
puting.
The symposium is aimed towards a general academic public.
CWI Lectures 2015 are organized by the Algorithms & Complexity group.

Speakers include:
- Prof. Ronald Hanson (Delft Univ. of Technology)
- Prof. Richard Jozsa (Univ. of Cambridge)
- Prof. Serge Massar (Univ. Libre de Bruxelles)
- Prof. Mario Szegedy (Rutgers Univ.)

Venue: Science Park Congress Centre, Science Park 125, Amsterdam
Attending the event is free after registration
For further information concerning the CWI Lectures and the programme,
please visit the event website or contact Susanne van Dam.

Brussels, Belgium

Post-Snowden Cryptology workshop
Date: 9-10 December, 2015
As part of the ECRYPT-CSA project we are organizing a workshop.
So far the following speakers have accepted:
Jacob Appelbaum (Tor Project and Technische Universiteit Eindhoven), Claudia
Diaz (KU Leuven), Nathan Freitas (The Guardian Project), Ian Goldberg (Uni-
versity of Waterloo), Christian Grothoff (INRIA Rennes Bretagne Atlantique),
Kenny Paterson (Royal Holloway, University of London), Joanna Rutkowska
(Qubes OS Project and Invisible Things Lab), Christopher Soghoian (ACLU),
Jon Solworth (University of Illinois at Chicago).
Registration will open very soon. The fee will be about 150 EURO, including
all talks, dinner on the 9th, a welcome coffee in the morning of the 10th,
lunch on the 10th, and 3 coffee breaks.
For more information see our website.

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3. Vacatures

UU

PhD position in symplectic geometry at the Mathematics Department
of Utrecht University (The Netherlands).

SUPERVISOR: Dr. Fabian Ziltener. For information about myself see.

PREREQUISITES: M.Sc. degree in mathematics or theoretical physics with a
strong mathematical component. Candidates in the final stage of obtaining
such a degree will also be considered.

DEADLINE FOR APPLICATION: December 13, 2015

LATEST STARTING DATE: September 1, 2016

HOW TO APPLY: Please submit the following material:

 1. a cover letter including an explanation why you consider pursuing a
    Ph.D.
    in symplectic geometry,
 2. your curriculum vitae,
 3. a list of all courses taken for your bachelor's and master's degrees
    together with grades and explanations of the grades,
 4. if available: your master's thesis or bachelor's thesis,
 5. names, contact information, and e-mail addresses of at least two

academicreferees, one of which should be your master's thesis
supervisor.

* Please also arrange that the referees send their reference letters to the
following email, by **December 13, 2015.**

PROJECT DESCRIPTION: One goal is to find a solution to the following problem
by J. Moser: Find conditions under which a given Hamiltonian diffeomorphism
of a symplectic manifold has a leafwise fixed point. Such points generalize
fixed points and Lagrangian intersection points. They also arise in the
context of time-dependent perturbations of classical mechanical systems. The
existence of such points has applications e.g. to the presymplectic
embedding problem and the existence of stably exotic symplectic forms. Sug-
gest to attack Moser's problem by defining a Floer homology for acoisotropic
submanifold. I am open for suggestions about alternativeapproaches or
alternative problems.

GENERAL INFORMATION: If accepted as a Ph.D. student you will be integrated
in the NWO Graduate School ``Utrecht Geometry Center''. You will be offered
a full-time position for four years. The gross monthly salary will amount to
EUR 2.146,- in the first year to EUR 2.744,- in the fourth year (P-scale of
the Collective Labour Agreement Dutch Universities). It is supplemented with
a holiday bonus of 8% and an end-of-year bonus of 8,3% per year. In addition
Utrecht University offers a pension scheme and a partially paid parental
leave.

INQUIRIES: Please send an e-mail to Fabian Ziltener.

Delft

At Delft University of Technology there is a vacancy for an **assistant
professor in statistics** (tenure track). Please feel free to forward this
message to good candidates you think might be interested. For more
information on the position, please visit this site.

Application deadline: January 15, 2016

There are also **three** vacancies for **PhD students**. One on statistics for
materials science (application deadline December 1), one on extreme value
statistics (application deadline December 15) and another on decision theory
with big data (application deadline December 15).

For more information on the statistics group at TU Delft, visit its web page

INRIA Nancy

We are seeking candidates for a

12-month post-doctoral position

in the CARAMEL group [1,2] at INRIA Nancy - Grand Est [3] and LORIA [4], in
Nancy, France. The starting date is early 2016. This position is funded by
INRIA Nancy - Grand Est and by Région Lorraine, and is renewable for a
further 6 months.

Project
The research project for this position revolves around exploring
architectural choices for accelerating carefully selected parts of the
Number Field Sieve (NFS) algorithm for factoring large integers. Indeed,

this algorithm naturally splits into several well identified steps, some of which are extremely computationally intensive and act as tight bottlenecks for targeting larger factorizations.

Even though there exist several efficient software implementations, such as CADO-NFS [5], developed in the CARAMEL group, the use of accelerators such as GPUs, many-core CPUs or even FPGAs and ASICs was all but rarely considered.

The goal of this project is therefore to precisely identify which parts of the NFS algorithm might benefit from such accelerators, to propose prototype implementations and to run extensive experiments so as to quantify what speedup might actually be achieved.

Candidates
We are looking for candidates with a good background in computer arithmetic, computer micro-architecture, and with strong programming and implementation skills on various targets (CPUs, GPUs, FPGAs, etc.). Knowledge of algorithmic number theory would be a definite plus.

Salary
The net salary for this position is €2115 per month.

How to apply?

Applications should be sent to both Pierrick Gaudry and Jérémie Detrey by email at <Pierrick.Gaudry@loria.fr> and <Jeremie.Detrey@loria.fr>.

[1] http://caramel.loria.fr/
[2] https://www.inria.fr/en/teams/caramel
[3] https://www.inria.fr/en/centre/nancy
[4] http://www.loria.fr/loria-news
[5] http://cado-nfs.gforge.inria.fr/

Pontificia Universidad Catolica de Chile, Santiago

The School of Engineering and the Faculty of Mathematics of the Pontificia Universidad Catolica de Chile (PUC) invites applications for

two full-time faculty positions

to join the Mathematical and Computational Engineering group.

Applications are invited in all areas of Applied Mathematics and Computational Science and Engineering. However, preference will be given to applicants in Numerical Analysis, Numerical Linear Algebra and Uncertainty Quantification.

Applicants must hold a Ph.D. in a related discipline. Candidates do not need to know Spanish at the time of applying, but should be prepared to learn the language well enough to begin teaching in it in the short term. Applications will be accepted by January 31st, 2016 but late applications may be considered until the position is filled.

To find out more, please visit:

http://www.ing.puc.cl/mathematical-computational-engineering-2.

Elwin van 't Wout has recently started in this university:
https://www.linkedin.com/in/elwinvantwout.

Kees Vuik

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Delft University of Technology
Delft Institute of Applied Mathematics
Mekelweg 4, 2628 CD Delft, The Netherlands
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