



# INFOMAT

Oktober 2016

---



## TIDSFORDRIV FOR MØRKE OG REGNTUNGE HØSTKVELDER?

Annenhver mandag presenterer Alex Bellos en ny liten oppgave i den britiske avisen *The Guardian*. Hvis noen trenger noen nøtter til festlige anledninger eller regntunge november-kvelder er det et brukbart tilfang der. Ukas oppgave lyder slik:

Tre venner (A, B og C) spiller bordtennis. De spiller på den vanlige måten, to spiller av gangen, vinneren står og taperen må vente. På slutten av dagen summerer de opp resultatene: A har spilt 10 kamper, B har spilt 15 kamper og C har spilt 17 kamper. Spørsmålet er, hvem tapte kamp nr. 2?

---

INFOMAT kommer ut med 11 nummer i året og gis ut av Norsk Matematisk Forening. Deadline for neste utgave er alltid den 15. i neste måned. Stoff til INFOMAT sendes til

**infomat at math.ntnu.no**

Foreningen har hjemmeside <http://www.matematikkforeningen.no/INFOMAT>

Ansvarlig redaktør er Arne B. Sletsjøe, Universitetet i Oslo.

# ARRANGEMENTER

## Matematisk kalender

**2016:**

**November:**

**3.-4. Nasjonalt algebramøte, UiO, Oslo**

**3.-4. Geometry and Lie theory. Applications to classical and quantum mechanics, NTNU, Trondheim**

**30.-2. desember. Topology and Applications, NTNU, Trondheim**

**2017:**

**Januar:**

**27.-29. Polar Geometry, DNVA, Oslo**



### **NASJONALT ALGEBRAMØTE, Oslo, 3.-4. november 2016**

Årets nasjonale algebramøte finner sted 3.-4. november 2016 i Oslo, se webside: <http://www.mn.uio.no/math/forskning/grupper/algebra/arrangementer/nasjonaltmote2016/>

### **GEOMETRY AND LIE THEORY. APPLICATIONS TO CLASSICAL AND QUANTUM MECHANICS, Trondheim, 3.-4. november 2016**

*Dedicated to Eldar Straume on his 70th birthday.*

**Speakers:**

Alain Chenciner, Paris, Boris Doubrov, Minsk, Claudio Gorodski, São Paulo, Sigbjørn Hervik, Stavanger, Wu-Yi Hsiang, Berkeley, Arnfinn Laudal, Oslo, Valentin Lychagin, Tromsø, Andrew Swann, Aarhus, Dennis The, Vienna, Burkhard Wilking, Münster

### **TOPOLOGY AND APPLICATIONS, NTNU, 30. november-2. desember 2016**

*Dedicated to Nils A. Baas on his 70th birthday.*

**Speakers:**

Marcel Bökstedt (Aarhus), Gunnar Carlsson (Stanford), Ralph Cohen (Stanford), Herbert Edelsbrunner (Austria), Søren Galatius (Stanford), Kathryn Hess (EPFL), Gerd Laures (Bochum), Arnold Levine (IAS), Ib Madsen, (Copenhagen), Edvard Moser (NTNU), John Rognes (Oslo), Dennis Sullivan, (SUNY), Ulrike Tillmann (Oxford)

<https://www.math.ntnu.no/~mariusth/Nils70/>



### **POLAR GEOMETRY, DNVA, Oslo, 26.-28. januar 2017**

A conference celebrating the work of Ragni Piene on the occasion of her 70th birthday.

Time and place: Jan. 26, 2017 11:00 AM - Jan. 28, 2017 03:00 PM, The Norwegian Academy of Science and Letters

**Invited speakers:**

Paolo Aluffi (Florida) [TBC], Alicia Dickenstein (Buenos Aires), Sandra di Rocco (Stockholm), Lothar Göttsche (Trieste), Steven Kleiman (MIT), Raquel Mallavibarrena (Madrid), Dusa McDuff (Barnard), Elisa Postinghel (Loughborough), Jørgen Vold Rennemo (Oxford), Israel Vainsencher (UFMG), Bernard Teissier (Jussieu), Nelly Villamizar (RICAM)



## Nyheter

---

### NYTT FRA CIMPA

The CIMPA features a program of Support for Training in Research (STR) for the most mathematically or economically deprived areas. The STR program consists in funding the organization of a series of research-level courses in mathematics within the geographic areas of activities of CIMPA (Africa, Central or South America, Asia). Each application for funding shall concern one series of course on a given subject during one to four weeks, preferably by a teacher/researcher holding a position in one of the supporting countries of CIMPA (France, Switzerland, Spain, Norway) or in a developing country.

The CIMPA launches a call for proposals for the period March 2017-August 2017. Applications must be submitted by **3 January 2017**, more information here

<http://www.cimpa-icpam.org/soutien-a-la-formation-a-la/presentation/>.

Ludovic Rifford  
Director of CIMPA

---

### HEIDELBERG LAUREATE FORUM 2017

*Calling Outstanding Young Researchers!  
The application process for the 5th Heidelberg  
Laureate Forum begins November 14, 2016.*

Young researchers in computer science and mathematics from all over the world can apply for one of the 200 coveted spots to participate in the Heidelberg Laureate Forum (HLF), an annual networking event. The HLF offers all accepted young researchers the great opportunity to personally interact with the laureates of the most prestigious prizes in the fields of mathematics and computer science. For one week, the recipients of the Abel Prize, the ACM A.M. Turing Award, the Fields Medal, and the Nevanlinna Prize engage in a cross-generational scientific dialogue with young researchers in Heidelberg, Germany.

---

The application period for the 5th HLF runs from November 14, 2016 until February 14, 2017. Young researchers at all phases of their careers (undergrad, PhD or postdoc) are encouraged to complete and submit their applications by **February 14, 2017** (midnight at the dateline) via the following link:

<http://application.heidelberg-laureate-forum.org>  
The 5th HLF will take place from September 24 to 29, 2017 (with young researcher registration on September 23). This prominent, versatile event combines scientific, social and outreach activities in an informal atmosphere, fueled by comprehensive exchange and scientific inspiration. Laureate lectures, young researcher workshops and a structure welcoming unfettered discussions are the elements that compose the Forum's platform. Over the course of the week-long HLF, young researchers will be given the exclusive possibility to profoundly connect with their scientific role models and find out how the laureates made it to the top of their fields. As described by a young researcher at the 4th HLF, "The best professional experience of my life. I thought that receiving my PhD was the most ultimate event and highlight, but the HLF tops even that."

All applications that are completed and submitted by the deadline are meticulously reviewed by an international committee of experts to ensure that only the most qualified candidates are invited. There are 100 spaces available for each discipline of mathematics and computer science. All applicants will be notified by the end of April 2017 whether or not they will be invited.

For more information, please visit:  
[www.heidelberg-laureate-forum.org](http://www.heidelberg-laureate-forum.org)

HEIDELBERG  
LAUREATE  
FORUM



# NYHETER

---

## NOMINATIONS FOR THE IMU DISTINCTIONS

Dear colleagues,

As Secretary of the IMU I invite you to submit nominations for the IMU distinctions listed below, thus assisting the corresponding committees in their task of selecting the awardees who will receive their distinctions at ICM 2018 in Rio de Janeiro.

Here is the list of awards for which we presently seek nominations, each listed with the email address to which nominations can be sent, and with its short description:

\* *Fields Medals* – Chair: IMU President Shigefumi Mori.

Email: [chair@fm18.mathunion.org](mailto:chair@fm18.mathunion.org)

The Fields Medals are awarded every 4 years on the occasion of the International Congress of Mathematicians to recognize outstanding mathematical achievement for existing work and for the promise of future achievement, see award details at <http://www.mathunion.org/general/prizes/fields/details/>.

\* *Rolf Nevanlinna Prize* – Chair: Tony F.

Chan. Email: [chair@nevanlinna18.mathunion.org](mailto:chair@nevanlinna18.mathunion.org)

The Nevanlinna Prize is awarded once every 4 years at the International Congress of Mathematicians, for outstanding contributions in mathematical aspects of information sciences, see award details at <http://www.mathunion.org/general/prizes/nevanlinna/details/>.

\* *Carl Friedrich Gauss Prize* – Chair: Björn Engquist.

Email: [chair@gauss18.mathunion.org](mailto:chair@gauss18.mathunion.org)

The Gauss Prize is awarded once every 4 years to honor a scientist whose mathematical research has had an impact outside mathematics – either in technology, in business, or simply in people's everyday lives, see award details at <http://www.mathunion.org/general/prizes/gauss/details/>.

\* *Chern Medal Award* – Chair: Caroline Series.

Email: [chair@chern18.mathunion.org](mailto:chair@chern18.mathunion.org)

The Chern Medal is awarded every 4 years on the occasion of the International Congress of Mathematicians to an individual whose accomplishments warrant the highest level of recognition for outstanding achievements in the field of mathematics, see award details at <http://www.mathunion.org/>

[general/prizes/chern/details/](http://www.mathunion.org/general/prizes/chern/details/).

\* *Leelavati Prize*, sponsored by Infosys – Chair: Gert-Martin Greuel.

Email: [chair@leelavati18.mathunion.org](mailto:chair@leelavati18.mathunion.org)

The Leelavati Prize, sponsored by Infosys, is intended to accord high recognition and great appreciation of the IMU and Infosys of outstanding contributions for increasing public awareness of mathematics as an intellectual discipline and the crucial role it plays in diverse human endeavors, see award details at <http://www.mathunion.org/general/prizes/leelavati/details/>.

IMU also requests nominations for the

\* *ICM Emmy Noether Lecture* – Chair: Irene Fonseca.

Email: [chair@noether18.mathunion.org](mailto:chair@noether18.mathunion.org)

The ICM Emmy Noether Lecture is a special lecture at an ICM which honors women who have made fundamental and sustained contributions to the mathematical sciences, see more details at <http://www.mathunion.org/activities/icm/emmy-noether-lecture/>.

More information about each of these awards and the Noether lecture, as well as lists of past laureates, can be found on the IMU Web site at URL: [www.mathunion.org/general/prizes/](http://www.mathunion.org/general/prizes/).

To allow the committees sufficient time for this decision process, the IMU has set

**December 31, 2016**

as the deadline for nominations. Nominations received after this date will only be considered at the discretion of the committee.

Thus, we would like to urge you to submit before the deadline any compelling nominations of which you are already aware now.

The full compositions of all committees remain confidential and will be announced at the Opening Ceremony of ICM 2018 only.

The guidelines for nominations are specified at the Web

page: <http://www.mathunion.org/general/prizes/nomination-guidelines/>.

For some awards (e.g., the Leelavati Prize) additional hints concerning the nomination can be found on the respective Web pages.

Sincerely,  
Helge Holden

---