



INFOMAT

JUNI 2025



INFOMAT ønsker alle lesere en god sommer!

Foto: Celina Middelfart, Kragerø Blad Vestmar

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

arnebs at math.uio.no

Foreningen har hjemmeside <http://www.matematikkforeningen.no/>
Ansvarlig redaktør er Arne B. Sletsjøe, Universitetet i Oslo

Matematisk kalender

2025

September:

15. Årsmøte, NMF, virtuelt

Nye doktorgrader

Emilie Mai Elkiær ved UiO forsvarte 5. juni 2025 sin avhandling *Rigidity and amenability of locally compact groups via their actions on L_p -spaces* for graden PhD.

Veiledere har vært Professor Nadia Larsen, UiO og CNRS senior researcher Mikael de la Salle, Univ. Claude Bernard Lyon 1.

Sammendrag:

Analytic properties of locally compact groups, such as amenability and Kazhdan-type rigidity, offer deep insights into the structure and behavior of groups. It is well known that these properties are intimately connected with the isometric representation theory. The primary focus of this thesis is to study amenability and Kazhdan-type rigidity via representations by surjective isometries on L_p -spaces and via pseudofunction algebras generated from classes of such representations.

The thesis is a collection of four papers. Topics covered include L_p -integrability of representations induced from open subgroups, Kazhdan-type rigidity for Banach algebras in general and pseudofunction algebras in particular, equivalent definitions of property (TL_p) for discrete groups, and characterizations of amenability related to the symmetrized p -pseudofunction algebra.

Karl Simon Halvdansson ved NTNU forsvarte 11. juni 2025 sin avhandling *Extensions of Quantum Harmonic Analysis and Applications to Time-Frequency Analysis* for graden PhD.

Veiledere har vært professor Franz Luef (hoved-) og førsteamanuensis Sigrid Grepstad (med-), begge NTNU.

Helge Jørgen Samuelsen ved NTNU forsvarte 13. juni 2025 sin avhandling *Geometric Problems in Classical and Quantum Harmonic Analysis* for graden PhD.

Veiledere har vært førsteamanuensis Sigrid Grepstad (hoved-), professor Eugenia Malinnikova (med-) og professor Franz Luef (med-), alle NTNU.

Diego de Jesus Caudillo Amador ved NTNU forsvarte 16. juni 2025 sin avhandling *Signatures of graphs and cumulants of commutative combinatorial Hopf algebras* for graden PhD.

Veiledere har vært professor Dr. Kurusch Ebrahimi-Fard (hoved-), og professor Dr. Joscha Diehl (med-), begge NTNU.

Torgeir Aambø ved NTNU forsvarte 30. juni 2025 sin avhandling *Algebraic structures in monochromatic homotopy theory* for graden PhD.

Veiledere er førsteamanuensis Drew K. Heard (hoved-), og professor Markus Szymik (med-), begge NTNU.

Kunngjøringer

Ledig stilling som instituttleder ved Matematisk institutt, UiO

Stilling som instituttleder er ledig ved Matematisk institutt, Det matematisk-naturvitenskapelige fakultet, Universitetet i Oslo fra 01.01.2026. Ansettelse skjer på åremål for en periode på inntil fire år fra tiltredelse, med anledning til å kvalifisere seg for ytterligere en åremålsperiode etter ny utlysning.

<<https://www.jobbnorge.no/ledige-stillinger/stilling/282803/instituttleder-ved-matematisk-institutt>>

Dear colleagues

As you know, the IMU is a member of the International Science Council (ISC) and a founding partner of the Standing Committee for Gender Equality in Science (SCGES). The ISC, the Inter-Academy Partnership, and the SCGES have now

created a survey to explore how scientists participate in scientific organizations over the course of their careers.

The outcome of the survey is expected to help broaden understanding of how scientific organizations function and evolve globally. Specific information can be found on the survey's landing page: <https://www.surveymonkey.com/r/scientific_organizations_survey> We encourage you to complete the survey and ask that you distribute it further within your community.

Regards
Christoph Sorger

ICM 2026

Registration is now open for the International Congress of Mathematicians 2026, to be held in Philadelphia (Pennsylvania, USA), from 23 to 30 July 2026.

Early Advanced: Register by August 1, 2025

Advanced: Register by May 11, 2026

To benefit from reduced rates, complete the registration process by these deadlines.

Visit the ICM 2026 website

<www.icm2026.org>

for more information.

Call for nominations for the ICIAM Prizes 2027

The ICIAM Prize Committee for 2027 calls for nominations for the six ICIAM Prizes to be awarded in 2027 (the Collatz Prize, the Lagrange Prize, the Maxwell Prize, the Pioneer Prize, the Su Buchin Prize, and the Industry Prize). Each ICIAM Prize has its own special character, but each one is truly international in character.

Nominations are therefore welcomed from every part of the world. A nomination should take into account the specifications for a particular prize (see <http://www.iciam.org/iciam-prizes> and see also below),

and should contain the following information:

- Full name and address of person nominated
- Web home page if any.
- Name of particular ICIAM Prize.

- Justification for nomination (cite nominator's reason for considering candidate to be deserving, including explanations of the scientific and practical influence of the candidate's work and publications).

- Proposed citation (concise statement about the outstanding contribution in fewer than 250 words).

- CV of the nominee.

- 2-3 letters of support from experts in the field and/or 2-3 names of experts to be consulted by the Prize Committee.

- Name and contact details of the proposer.

Nominations should be made electronically through the webform available on the website <https://iciam.org/prizes/nomination>.

The deadline for nominations is **October 1st, 2025**. The nominations will be reviewed and discussed by the individual prize committees for each of the prizes, and top candidates identified. These will then subsequently be discussed by the Prize Committee (PC), consisting of the chairs for the individual prizes and the ICIAM president:

- Wil Schilders, president ICIAM (chair of PC)
- Ricardo Nochetto (USA), chair of Collatz Prize committee
- Dirk Hartmann (Siemens), chair of Industry Prize committee
- Shi Jin (China), chair of Lagrange Prize committee
- Zuowei Shen (Singapore), chair of Maxwell Prize committee
- Karen Veroy-Grepl (Netherlands), chair of Pioneer Prize committee
- Claudia Alejandra Sagastizabal (Brazil), chair of Su Buchin Prize committee

The winners of the prizes will be announced on the 3rd Monday of September at 10:00 AM Central European time in the year prior to the ICIAM congress, i.e. on September 21, 2026.

With my best regards,

Wil Schilders

ICIAM President