

CALL FOR
REGISTRATION AND ABSTRACTS

Fifth European Congress of Mathematics

RAI Amsterdam, 14-18 July 2008



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WORD OF WELCOME

Dear Colleagues,

We cordially invite you to attend the Fifth European Congress of Mathematics on July 14-18, 2008 in Amsterdam. The congress is the fifth in a row of highly successful congresses that cover the broad range of the mathematical sciences, from very applied to very pure, and which are organized under the auspices of the European Mathematical Society (EMS). Next year's congress will be organized under the auspices of the EMS and under the special patronage of the Koninklijk Wiskundig Genootschap (Royal Dutch Mathematical Society), the KWG, and will include the yearly meeting of the KWG.

Next summer we hope to welcome you to Amsterdam, a dynamic city where you can see the dynamics of water flowing through countless canals, and in the mean time ponder about the Navier-Stokes equation and fluid dynamics at the congress center. Our role as mathematicians in the community is emphasized at this congress by several activities: there will be science lectures, discussing the role of mathematics in applied fields, and several of the plenary and invited lectures will discuss applications, ranging from fluid flow through cryptography to mathematical biology. Also there are mini-symposia in many applied areas. On the other hand, mathematics also has a dynamics of its own, which traditionally plays a prominent role at the congress as well.

Thus we hope you will be able to enjoy at this congress the new developments in the area of your specialization, along with getting the "big picture". To this end, the program of the conference consists of:

- ten Plenary Lectures by outstanding mathematicians
- three Science Lectures by top scientists
- ten Prize Lectures by the young stars in the field
- at least thirty Invited Lectures by top specialists
- twenty-one mini-symposia to learn about new developments in your area of specialization
- poster sessions with contributed presentations

This program was put together by an outstanding Scientific Committee with representatives from all over Europe.

In addition, we hope you will find time to enjoy the beautiful city of Amsterdam and its surroundings. You can do this in the evenings, when the city is vibrant and alive, or use one of the half day tours, that will take you through the city, or allow you to get a glimpse of typical Dutch countryside and cities outside Amsterdam!

We are proud that the EMS has selected Amsterdam to be the host city for its fifth congress, and we look forward to meeting you all next year in Amsterdam. Do not miss this opportunity to learn about the latest developments in mathematics, to meet old friends, and make new acquaintances, while enjoying a charming city with many 'do-not-miss-this' sights. We encourage you to register as soon as possible.

For more information on the conference, such as grants, up-to-date information on the program, and for registration, please visit our website at www.5ecm.nl .

André Ran, Chairman of the Local Organizing Committee

Committees

Local Organizing Committee

Prof. dr. André Ran (Chair)
Dr. Herman te Riele (Secretary)
Prof. dr. Jan Wiegerinck (Treasurer)

The committee of recommendation

Prof. dr. H.P. Barendregt
Prof. dr J.F.A.K. van Benthem
Prof.dr. N. van den Boom (rector magnificus Universiteit van Amsterdam)
Prof. dr. L.M. Bouter (rector magnificus Vrije Universiteit)
Mr. dr. M.J. Cohen (Mayor of Amsterdam)
Prof. dr. R.H. Dijkgraaf
Prof. dr. P.F. van der Heijden (rector magnificus Universiteit Leiden)
Prof. dr. G. 't Hooft
Prof dr. H.W. Lenstra
Dr. A. Rinnooy Kan (chairman SER)
Prof. dr. J. Zwemmer (former rector magnificus Universiteit van Amsterdam)

The Scientific Committee

Prof. dr. Alexander Schrijver (Amsterdam) (Chair)
Prof. dr. John Ball (Oxford)
Prof. dr. Eva Bayer (Lausanne)
Prof. dr. Franco Brezzi (Pavia)
Prof. dr. Joachim Cuntz (Münster)
Prof. dr. Arnaldo Frigessi (Oslo)
Prof. dr. Bernard Helffer (Orsay)
Prof. dr. Nigel Hitchin (Oxford)
Prof. dr. Alexander Holevo (Moscow)
Prof. dr. Kurt Johansson (Stockholm)
Prof. dr. Ib Madsen (Aarhus)
Prof. dr. Yuri Manin (Bonn)
Prof. dr. Angus Macintyre (Edinburgh)
Prof. dr. Marta Sanz-Solé (Barcelona)
Prof. dr. Oded Schramm (Microsoft Research, Redmond)
Prof. dr. Vilmos Totik (Szeged)
Prof. dr. Jean-Christophe Yoccoz (Paris)
Prof. dr. Luis Vega (Bilbao)

The Prize Committee

Prof. dr. Rob Tijdeman (Leiden) (Chair)

PROGRAM OVERVIEW

On Monday the program will start with an Opening Ceremony, followed by the Prize Giving Ceremony and a Plenary lecture. In the afternoon there will be parallel Invited lectures and Prize lectures, followed by a Plenary lecture. In the evening we scheduled a special program, the Brouwer medal ceremony, organized by KWG, about which you can read further on.

On the other days the conference offers Plenary, Science, Invited and Prize lectures, four sessions of mini-symposia, and an industrial round table meeting on Tuesday. On Thursday, KWG organizes the so-called Beeger lecture, about which you can read further on.

During the conference, participants will get the occasion to present posters about their research. A call for abstracts for poster presentations is given below.

Schematic schedule preliminary program

	<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>	<i>Thursday</i>	<i>Friday</i>
Morning	Opening Plenary	Plenary Invited Prize Science	Plenary Invited Prize Science	Plenary Invited Prize	Plenary Minisymp.
Afternoon	Invited Prize Brouwer Hist. Plenary	Minisymp. Industrial RT Plenary	Minisymp. Plenary	Prize Minisymp. Beeger KWG Plenary	Minisymp. Science Plenary Closing
Evening	Brouwer Lecture Welcome Reception	Presidential dinner (invitation)	Congress Party		

Disclaimer

All reasonable endeavours will be made to hold the 5th European Congress of Mathematics and to present the printed program as scheduled under circumstances which assure the comfort and safety of the Conference delegates. However, neither the Stichting European Congress of Mathematics nor any of its branches, nor their officers, employees, representatives or agents, shall have any liability to any person as a result of any cancellation of the conference or any of the arrangements, programs or plans connected therewith or any loss, injury, damage or inconvenience which may be suffered by any person while traveling to or from, or during such person's presence in the Netherlands in connection with the conference. Delegates are advised to consider procuring their own insurance against any such occurrences.

Schedule changes

Program content and speakers are subject to change without notice. At times, it might be necessary to cancel or reschedule a conference session after receipt of a confirmation letter. The IIA will provide advance notice of any changes and, in doing so, will not be responsible for penalties related to the canceling or rescheduling of airfares, lodging, etc.

Plenary Speakers

Luigi Ambrosio (Scuola Normale Superiore di Pisa)

Christine Bernardi (Université Paris VI)

Jean Bourgain (IAS Princeton)

Jean-François Le Gall (ENS & Université Paris VI)

François Loeser (ENS Paris)

László Lovász (Eötvös Loránd University, Budapest)

Matilde Marcolli (Max Planck Institut Bonn)

Felix Otto (Universität Bonn)

Nicolai Reshetikhin (Univ. of California, Berkeley)

Richard Taylor (Harvard University, Cambridge)

Science Speakers

Ignacio Cirac (Garching, Germany) on **Quantum Information Theory**

Tim Palmer (Reading, UK) on **Climate Change**

Jonathan Sherratt (Edinburgh, UK) on **Mathematical Biology**

Invited Speakers (preliminary list)

Nalini Ananthraman (Palaiseau, France)
Artur Avila (Paris, France)
Christoph Böhm (Münster, Germany)
Annalisa Buffa (Pavia, Italy)
José A. Carrillo (Barcelona, Spain)
Nils Dencker (Lund, Sweden)
Bas Edixhoven (Leiden, The Netherlands)
Manfred Einsiedler (Columbus OH, USA)
Lászlo Erdős (München, Germany)
Nicola Fusco (Napoli, Italy)
Søren Galatius (Stanford CA, USA)
Dimitry Kaledin (Moscow, Russia)
Nikita Karpenko (Paris, France)
Arno Kuijlaars (Leuven, Belgium)
Miklós Laczkovich (Cambridge MA, USA)
Michel Ledoux (Toulouse, France)
Sergei Merkulov (Stockholm, Sweden)
Ralf Meyer (Göttingen, Germany)
Oleg Musin (Moscow, Russia)
Nikolai Nadirashvili (Marseille, France)
Jaroslav Nešetřil (Praha, Czech Republic)
Yuval Peres (Berkeley CA, USA)
Laure Saint-Raymond (Paris, France)
Christoph Schweigert (Hamburg, Germany)
H. Mete Soner (Istanbul, Turkey)
Balázs Szegedy (Toronto, Canada)
Constantin Teleman (Edinburgh UK)
Ana Vargas (Madrid, Spain)
Frank Wagner (Villeurbanne, France)
Reinhard F. Werner (Braunschweig, Germany)
Ragnar Winther (Oslo, Norway)
Stanislaw L. Woronowicz (Warszawa, Poland)

Prize Speakers

Traditionally, during ECM congresses ten prizes of € 5000 each will be awarded to young mathematicians. The Prize Committee is chaired by Rob Tijdeman. The laureates will deliver a lecture about their work.

The Dutch *Foundation Compositio Mathematica* has generously offered to fund these prizes. The call for prize nominees is open until the first of December 2007 on the congress web site.

Mini-symposia and their organizers

Advances in Variational Evolution

Alexander Mielke (Berlin), Ulisse Stefanelli (Pavia)

Algebra in Optimization

Jan Draisma (Eindhoven), Monique Laurent (Amsterdam)

Applications of Noncommutative Geometry

Gunther Cornelissen (Utrecht), Klaas Landsman (Nijmegen)

Applied Algebraic Topology

Michael Farber (Durham)

Combinatorics of Hard Problems

Josep Diaz (Barcelona), Oriol Serra (Barcelona), Jaroslav Nesetril (Prague)

Coupled Cell Networks

Peter Ashwin (Exeter), Ana Dias (Porto), Jeroen Lamb (London)

Discrete Structures in Geometry and Topology

Dmitry Feichtner-Kozlov (Bremen)

Galois Theory and Explicit Methods

Bart de Smit (Leiden)

Global Attractors in Hyperbolic Hamiltonian Systems

Andrew Comech (Texas A&M), Alexander Comech

Graphs and Matroids

Bert Gerards (Amsterdam), Hein van der Holst (Eindhoven), Rudi Pendavingh (Eindhoven)

Hypoellipticity, Analysis on Groups and Functional Inequalities

W. Hebisch (Wroclaw), B. Zegarlinski (London)

Mathematical Challenges in Cellular Systems

Frank Bruggeman (CWI), Mark Peletier (Eindhoven)

Mathematical Logic

Peter Koepke, Benedikt Löwe, Jaap van Oosten

Mathematical Finance

Hans Schumacher (Tilburg), Peter Spreij (Amsterdam)

Mathematics of Cryptology

Ronald Cramer (Amsterdam)

Random and Quasi-periodic Operators

Frédéric Klopp (Paris), François Germinet (Cergy-Pontoise)

Representation Theoretical Methods and Quantization

Stefaan Caenepeel (Brussels), Jürgen Fuchs (Karlstad), Alexander Stolin (Göteborg), Christoph Schweigert (Hamburg), Freddy van Oystaeyen (Antwerp)

Rough Path Theory

Peter K. Friz (Cambridge)

Singular Structures in Variational PDE's

Matthias Roeger (Leipzig), Mark Peletier (Eindhoven)

Spectral Problems and Hilbert Spaces of Entire Functions

Joaquim Bruna (Barcelona), Hakan Hedenmalm (Stockholm), Kristian Seip (Trondheim), Mikhail Sodin (Tel Aviv)

Spectral Theory

E.B. Davies (London), T. Weidl (Stuttgart), F. Klopp (Paris), T. Hoffmann-Ostenhof (Vienna)

Weak Approximations of Stochastic Differential Equations

Dan Crisan (London)

Satellite Activities

The Organizing Committee of 5ECM welcomes satellite activities!

We offer the following advantages to organizers and participants of satellite activities:

- free distribution about each 5ECM satellite activity through the 5ECM distribution channels
- reduced 5ECM registration fee for participants of 5ECM satellite activities
- participants of 5ECM satellite activities will be kept informed about 5ECM

Please check the 5ECM website for requirements for organization of 5ECM satellite activities.

Poster Presentations, Call for Abstracts

Registered participants will have the opportunity to present their mathematical work in the form of a Poster, provided that

- * they have registered by April 1, 2008 and indicated on the registration form that they wish to present a Poster
- * they have submitted an abstract by Jan. 31, 2008 in one of the subject sections listed below; abstracts submitted after Jan 31, 2008 cannot be considered.

* their contribution has been accepted by the Poster Committee: notification of acceptance/rejection will be sent before March 15, 2008.

A poster is a display on some flat material, usually stiff paper or cardboard, synthesizing the main points of a mathematical work in a visually attractive layout that can be quickly grasped by other mathematicians.

Poster sessions provide pleasant interaction between colleagues, offering the possibility of discussion in an informal and relaxed atmosphere. Poster sessions will take place in an ad-hoc exhibit area.

The precise panel location and timetable for authors to be present and available for questions and discussions will be fixed and communicated in due course.

Authors should prepare their posters thoroughly in advance.

Their contribution to the success of the Congress is greatly appreciated.

Posters will be affixed to ad-hoc vertical panels with two-side adhesive tape provided by the organisation.

A panel of 1.50 m (height) x 1 m (width) is allowed for each poster.

Abstracts of the contents of posters should be written in English and submitted via E-mail to posters5ECM@math.leidenuniv.nl which is also possible via the website of the congress (www.5ecm.nl). Only pdf-files are acceptable.

Abstracts must be no longer than one A4 page. The abstract text should contain:

- * The subject of the list below under which the poster should be ordered
- * A clear statement of the results and their context
- * References (not exceeding five)

List of Subjects for Poster presentations

1. Logic and Foundations
2. Algebra
3. Number theory
4. Algebraic and Complex Geometry
5. Geometry
6. Topology
7. Lie Groups and Lie Algebras
8. Analysis
9. Operator Algebras and Functional Analysis
10. Ordinary Differential Equations and Dynamical Systems
11. Partial Differential Equations
12. Mathematical Physics
13. Probability and Statistics
14. Combinatorics
15. Mathematical Aspects of Computer Science
16. Numerical Analysis and Scientific Computing
17. Control Theory and Optimization
18. Applications of Mathematics in the Sciences
19. Mathematics Education and Popularization of Mathematics
20. History of Mathematics

Special Activities

Brouwer medal ceremony on Monday and Welcome Reception

During 5ECM also the yearly meeting of the Dutch Royal Mathematical Society (KWG) is held. Once every three years during this meeting the Brouwer medal is awarded. As it happens, 2008 is such a year. The Brouwer medal ceremony with a laudatio for the prize winner and the lecture by the prize winner will be held on Monday evening. The Brouwer medal ceremony will be closed by a welcome reception for the participants and accompanying persons of 5ECM.

L.E.J. Brouwer was perhaps The Netherlands' most distinguished mathematician. Shortly after his death in 1966, the KWG and the Royal Netherlands Academy of Sciences established a tri-annual event that is often referred to as the Brouwer prize. To that purpose, once every three years the KWG chooses an important field in mathematics and an expert committee then selects a lecturer from that field. The selected person presents this lecture during the annual Dutch Mathematical Congress and then he or she receives the golden Brouwer memorial medal. The Brouwer lecture with the Brouwer medal is The Netherlands' most prestigious award in mathematics and it also enjoys great international prestige. Previous laureates were:

R. Thom on Topology (1970), A. Robinson on Foundations (1973),
A. Borel on Lie groups (1978), H. Kesten on Probability Theory (1981),
J. Moser on Analysis (1984), Y. Manin on Number Theory (1987),
W.M. Wonham on Control Theory (1990), L. Lovász on Discrete Mathematics (1993),
W. Hackbusch on Numerical Mathematics (1996), G. Lusztig on Algebra (1999),
M. Aizenman on Mathematical Physics (2002), and L. Birgé on Mathematical Statistics (2005).

For 2008 the field of Geometry has been chosen. The name of the recipient of the 2008 Brouwer medal will be announced later.

During the afternoon program of Monday, D. van Dalen (Utrecht University), will present a historical lecture about life and work of Brouwer.

Will be embedded in the congress program.

Date: Monday 14 July 2008

Time: to be announced

Location: to be announced

BEEGER LECTURE

Every two years during the meeting of the KWG, the Beeger lecture is presented. As it happens, 2008 is a Beeger year, so this lecture will be presented during 5ECM. The purpose of the Beeger Lecture is to promote research and exchange of ideas in Algorithmic and Computational Number Theory.

Dr. N.G.W.H. Beeger was a Dutch high-school teacher and mathematician who lived from 1884-1965. Beeger had good contacts with the Mathematical Centre in Amsterdam (now called CWI), and he bequeathed part of his inheritance to this research institute. The returns of this legacy are meant to cover the expenses of the biennial Beeger Lecture.

Previous Beeger Lectures were given by Carl Pomerance in 1992, Hugh Williams (1994), John Conway (1996), Hendrik Lenstra, Jr. (1998), Peter Borwein (2000), Bjorn Poonen (2002), Manjul Bhargava (2004), and Manindra Agrawal (2006).

The name of the 2008 Beeger Lecturer will be announced later.

Will be embedded in the congress program.

Date: Thursday 17 July 2008

Time: to be announced

Location: to be announced

CONGRESS PARTY

The Wednesday evening will be reserved for the Congress Party. We plan to arrange a nice evening to socialize with your colleagues, and to enjoy typically Dutch food in a nice atmosphere. Join us and the other delegates from around the world on this pleasant evening. We hope to convince you during the evening that "Dutch treats" can be very nice indeed!

Will be embedded in the congress program.

Date: Wednesday 16 July 2008

Time: to be announced

Location: to be announced

Price: €55,00

Information about Amsterdam

Amsterdam is an international tourist attraction and its life style is widely emulated everywhere. The Dutch are multilingual and so, not surprisingly, visitors to Amsterdam feel very welcome and almost immediately at home. Amsterdam possesses the largest historical inner city in Europe. It is especially famous for the sparkling crescent of canals where wealthy merchants built elegant homes and sturdy warehouses during Holland's Golden Age, the 17th century, when Amsterdam was the richest city in the world. The best introduction to these waterways is via a canal cruise, on board a comfortable glass topped boat. Among the favourite tourist attractions in Amsterdam are its 40 museums. At least three of them are world-renowned. The Rijksmuseum, which welcomes over one million visitors a year, boasts a celebrated collection of works by old Dutch Masters such as Rembrandt's splendid Nachtwacht (Nightwatch). Amsterdam's Stedelijk (Municipal) Museum has acquired international fame because of its trend setting permanent collection and temporary exhibitions of modern art. In the Van Gogh museum one will find over 600 paintings and drawings by Vincent van Gogh, Gauguin, Bernard and Monticelli.

Amsterdam also has a world reputation as a cultural center for orchestral music, opera, classical and modern ballet and its nearly inexhaustible variety of entertainment. Visitors discover this when they hear and see the many street musicians, the brightly painted barrel organs and the centuries-old carillons high in their towers. Every day Amsterdam offers an average choice of forty performances in the about fifty theatres, concert halls and jazz clubs in the city. The celebrated Concertgebouw (Concert Building) is noted for its superb acoustics. The Dutch National Ballet, which performs in Amsterdam's Muziektheater, is considered one of the best and most versatile ballets in Western Europe.

We are sure that you, as a participant in the 5th European Congress of Mathematics will enjoy the many attractions of Amsterdam. For detailed information about Amsterdam please visit the following websites:

www.holland.com

general information about Amsterdam.

www.show-info.nl/amsterdam

provides detailed information about culture, restaurants, sightseeing, nightlife, transport, shopping etc.

www.iens.nl/english (English version)

is about restaurants available in the Netherlands.

www.concertgebouw.nl

The 'Concertgebouw' in Amsterdam is year after year awarded as best visited concert hall for classical music in the world. Information on and ordering tickets for all (classical) performances at the famous 'Concertgebouw'.

www.muzyiektheater.nl

For tickets and information about the "Muziektheater' for the very best of opera, ballet and dance, classical as well as avant-garde.

TOURS AND EXCURSIONS

A program of sightseeing in and around Amsterdam has been compiled especially for partners and spouses of participants of the Fifth ECM, and of course also for the participants. For those who want to explore more than the city of Amsterdam, we have included some of The Netherlands' most beautiful and interesting destinations outside Amsterdam.

Important:

- Tours depart from and return to the Congress venue, Amsterdam RAI, located at Europaplein 22, unless stated otherwise.
- Tours should be booked in advance when registering for the congress (see registration form).
- Registration and cancellation conditions are applied to the tours and excursions (please see the Cancellations and refunds portion in the Registration chapter). Additionally the cost of tickets cannot be refunded if you do not take part or have not taken part in the tour(s) and or excursion(s).
- Lunch is included only when stated.
- Tours are based on a minimum of 25 persons. If this number is not reached, the tour may be cancelled in which case advance payments will be reimbursed.

FOR ACCOMPANYING PERSONS (*tours included in the Accompanying Person's fee*)

Amsterdam citytour



This tour includes a most panoramic drive through the centre and the modern suburbs, passing the most important monuments and sights. Visit the Rijksmuseum for a private guided tour including the 17th. century masters.

1 hour canal cruise through the city of Amsterdam and admire the famous 17th century merchant houses with its different gable structure and the numerous bridges which makes Amsterdam 'The Venice of the North'.

Date: Tuesday 15 July 2008 or Friday 18 July 2008

Time: 14:00 – 17:00 hrs

Zaanse Schans, Windmills & Edam

Visit the Zaanse Schans, a community of 40 houses located on the banks of the river Zaan. Typical for this are the wooden houses with steep roofs, green timber and white windows. Visit windmill "De Kat", a industrial mill grinding chalk to powder for the paint industry.



Free time to discover the area and visit some of the historic shops on The Schans before continuing to Edam, famous for the Edam cheese. On the way visit a cheese farm to learn the process of cheese making and sample some flavours. Your last stop is a wooden shoe factory before returning to Amsterdam.

Date: Wednesday 16 July 2008

Time: 09:00 – 13:00 hrs

FOR PARTICIPANTS AND ACCOMPANYING PERSONS

Castles & The River Vecht

Drive along the romantic river Vecht with its many mansions and estates in the green heart of Holland to the village of Haarzuylens. Around the magnificent Castle Haarzuylens with its red and white shutters, you will find a beautifully French-styled garden. Visit the castle and continue through the lake district of Loosdrecht to the fortified town of Naarden, shaped like a star with five points, miraculously preserved despite a history of bloody sieges.



Date: Tuesday 15 July 2008

Time: 14:00 – 18:00 hrs

Rate: € 38.00 per person

Royal The Hague



During the half day city tour of The Hague, residence of Queen Beatrix and her family, you will pass many palaces (for example The Peace Palace) and the “Binnenhof”, the seat of the Dutch Government. You will visit the Mauritshuis museum with its collection of the famous Dutch painter Vermeer (Girl with the pearl earring). Proceed to the beach resort of The Hague called

Scheveningen before returning to Amsterdam.

Date: Wednesday 16 July 2008

Time: 14:00 – 17:00 hrs

Rate: € 38.00 per person

Marken & Volendam

Excursion to Volendam, an old picturesque village on the shore of the former “Zuiderzee” and to Marken, which has been joined to the mainland by a dike. The inhabitants in both places still wear the traditional costumes. On the way out we visit a cheese farm and we return through the typical Dutch scenery via Monnickendam, one of the dead cities of the “Zuiderzee”.



Date: Thursday 17 July 2008

Time: 14:00 – 17:00 hrs

Rate: € 40.00 per person

Amsterdam citytour



This tour includes a most panoramic drive through the centre and the modern suburbs, passing the most important monuments and sights. Visit the Rijksmuseum for a private guided tour including the 17th. century masters.

1 hour canal cruise through the city of Amsterdam and admire the famous 17th century merchant houses with its different gable structure and the numerous bridges which makes Amsterdam 'The Venice of the North'.

Date: *Tuesday 15 and Friday 18 July 2008*

Time: *14:00 – 17:00 hrs*

Rate: *€40,00 per person*

GENERAL INFORMATION

COFFEE AND TEA BREAKS

For registered participants wearing their name badges, coffee and tea during the breaks are included in the fee.

CONGRESS SECRETARIAT

Congress Secretariat 5th European Congress of Mathematics

International Conference Services BV

P.O. Box 83005

1080 AA Amsterdam

The Netherlands

Tel: +31 (0)20 679 32 18

Fax: +31 (0)20 675 82 36

Email General: 5ecm-info@ics-online.nl

Exhibition and sponsoring : 5ecm-spons@ics-online.nl

Registration: 5ecm-reg@ics-online.nl

CONGRESS WEBSITE

To obtain the latest information on the congress please visit: www.5ecm.nl

DATE AND VENUE

The 5th European Congress of Mathematics will be held from Sunday 13 – Friday 18 July 2008 at:

AMSTERDAM RAI CONVENTION CENTRE

Europaplein 14

1078 GZ Amsterdam

The Netherlands

DIETARY RESTRICTIONS

Arrangements can be made for participants with special dietary restrictions. Please complete the registration form at the appropriate entry.

ELECTRICITY SUPPLY

Electricity in the Netherlands is supplied at 220V - 50Hz AC.

INSURANCE AND LIABILITY

In registering for the 5th European Congress of Mathematics you agree that neither the organizing committee nor the congress secretariat accept any liability whatsoever.

Participants are requested to make their own arrangements in respect of health and travel insurance.

LANGUAGE

The official congress language will be English.

LETTER OF INVITATION

The Congress Secretariat will send you a letter of invitation upon request, which you can send in by completing the corresponding section on the registration form. Letters of invitations will only be issued upon receipt of a complete registration including payment. It should be understood that this letter is only to help participants to raise travel funds or to obtain a visa and is not a commitment on the part of the organizers to provide any financial support. Applications for a letter of invitation should be received by the Congress Secretariat (International Conference Services) before 30 April 2008. Applications for letters of invitation received after 30 April cannot be processed. When visa applications are not granted, the cancellation and refund policy as mentioned in this brochure is applicable, so we advise you to start the visa application process as early as possible.

PROGRAM CHANGES

The organisers cannot accept liability for any changes in the program due to external or unforeseen circumstances.

TIME

During the congress Amsterdam is 1 hour ahead of Greenwich Mean Time.

TRAVEL AND VISA

Entry to the country is usually granted to all foreigners taking part in congresses organized in The Netherlands, regardless of their nationality.

Participants must, of course, meet the normal requirements, i.e. they must possess valid travel documents and sufficient means of support.

Participants requiring a visa for entry to The Netherlands are strongly advised to make their application in their home countries at least three months before the intended date of travel.

WEATHER

The weather in the Netherlands in July is usually mild. The average temperature is around 20°C (68°F)

(PUBLIC) TRANSPORT

HOW TO REACH AMSTERDAM CITY CENTRE FROM SCHIPHOL AMSTERDAM INTERNATIONAL AIRPORT

• By train

There is a direct Railway connection (approx. 10 minutes) from the airport to the city centre. The price for a train ticket (one-way) is approximately €4.-.

• By taxi

Taxis are available at the taxi stands outside the terminal. The price for a journey into the city centre is approximately €35.- (20 minutes).

HOW TO REACH THE AMSTERDAM RAI CONVENTION CENTRE

• **From Schiphol Amsterdam International Airport**

To reach Amsterdam RAI from Schiphol Amsterdam International Airport, you can take the train directly from Schiphol Plaza. There is a direct Railway connection between Amsterdam Schiphol Airport and Amsterdam RAI (10 minutes).

• **By public transport**

- From Amsterdam RAI railway Station: from this station it is a short walk (8 minutes) to the Congress Center. You can also take tram 4; first stop in front of the Congress Center.

- From the Central railway Station: there is a direct connection to the Congress Center by tram 4.

- From the Amstel railway Station: the Congress Center can be reached by bus no. 15, 69 or 169, or tram no. 51.

There will be no shuttle service available between Schiphol Amsterdam International Airport, the Amsterdam RAI or the congress hotels.

• **By car**

Via Utrecht (A2): follow the signs for RAI. The Congress Center exit is the first one on the A10, directly after the A2-A10 intersection.

Via The Hague (A4): follow the signs for Amsterdam-Zuid/ RAI signposted just before entering Amsterdam.

INFORMATION ON REGISTRATION

Participants are requested to register via the website of the congress (www.5ecm.nl) as early as possible since tours and some social functions are restricted to a limited number of participants. Bookings will be made on a first-come first-served basis.

Only registered participants are entitled to attend the scientific sessions of the Congress. Only registered participants and registered accompanying persons will be admitted to the social evening functions and will be allowed to book tours during the Congress offered in this Call for Registration.

An official receipt/confirmation of booking will be issued to all registrants upon receipt of the payment. Please bring this confirmation with you to the Congress.

Registration Fees (All fees are quoted in Euros)

Registration and payment received:	Fee	
	Payment received before/on 15 April 2008	Payment received on/after 16 April 2008
Member *	€ 220	€ 270
Non Member	€ 260	€ 290
Student **	€ 120	€ 120
Accompanying Persons	€ 190	€ 190

** member fee applies to EMS or KWG members and to participants of 5ECM satellite conferences*

*** a copy of your student card or a letter signed by the head of department is required, and must be submitted with the registration*

The registration fee for participants and students includes:

- Welcome reception
- Attendance to scientific sessions
- Entrance to the exhibition
- All congress documents
- Coffee and tea during the breaks
- A public transport ticket for 5 days

The registration fee for accompanying persons includes:

- Welcome reception
- Citytour Amsterdam (Tuesday 15 July or Friday 16 July 2008)
- Zaanse Schans, Windmills & Edam tour (Wednesday 16 July 2008)
- A public transport ticket for 5 days

Additional payment is required for:

- Tickets for the Congress Party
- Optional tours, as mentioned in this brochure, on Tuesday, Wednesday, Thursday and Friday.

Method of payment

Payment of fees in Euros (€) must accompany all registration forms. No registration will be confirmed until payment is received. Payment can be made by the following methods:

- Credit Cards: VISA, MasterCard, American Express.
- Bank transfer: a copy of the bank receipt must be sent by fax or email after you have completed the online registration form. Please note that bank transmission fees have to be paid by the transmitter. Bank details are as follows:

Bank: Postbank, The Netherlands

Swift: PSTBNL21

Account: 5004882

IBAN: NL57PSTB0005004882

Name: STG European Congress of Mathematics, Amsterdam, the Netherlands

Ref.: 5ECM 2008 – [your name] + Reference number (if available*)

() Applicable only with online registration. When registering online a reference number is provided.*

Important notes:

1. Registrations not followed by appropriate payment as outlined above will not be honored until full payment is received.
2. When names of participants are NOT stated on the bank transfer, your payment cannot be linked. Consequently, the payment will be unknown to the administration office.
3. Only the forms of payment listed above are acceptable. Company and personal cheques are not accepted.
4. Currency exchange charges or bank collection fees are the responsibility of the registrant.
5. Please do not forward any values by mail. The Organizing Committee will accept no liability for any loss.
6. For administrative and preparatory reasons, registration is possible until 25 June 2008. From this date onwards, we advise you to register and pay on-site at the Amsterdam RAI Convention Center, during congress registration hours commencing on 13 July 2008 (see '[General information](#)'). Registrations received after this date will be considered on-site registrations (and can therefore not be included in the list of participants).

Insurance and liability

In registering for the Fifth European Congress of Mathematics you agree that neither the organizing committee nor the congress secretariat accept any liability. Participants are requested to make their own arrangements in respect of health and travel insurance.

Confirmation of registration for participants

When your online registration form plus payment is received by the Congress Secretariat you will receive a written confirmation of your registration by email. Registrations received by the Congress Secretariat after 25 June 2008 will not be confirmed in writing. This does not mean that you are not registered. Consequently, please bring the copy of the registration form that you keep for your own files, as well as the proof of payment of your registration fee with you when you travel to Amsterdam.

Name changes

If you cannot attend but did register, you will be given the opportunity to send a colleague in your place. Name changes have a surcharge of € 25 per name change. Name changes requested after 25 June 2008 may be processed onsite and cannot be confirmed in writing.

Cancellation and refund policy

Our cancellation and refund policy is applicable to registration, social events, tours and excursions. All cancellations/alterations must be made in writing by email, fax or letter to the Congress Secretariat.

Cancellation received:

Before/on 28 January 2008	full refund minus € 50,- handling fee
Between 29 January and 16 May 2008	full refund minus 50% handling fee
After 16 May 2008	no refund
Name change	€ 25,-

All cancellations and alterations must be made in writing by e-mail, fax, or letter to ICS BV. Any refunds will be processed and issued after the congress.

Questions?

If you require any additional information on registration, please contact the 5ECM Conference Secretariat at:

International Conference Services BV
P.O. Box 83005
1080 AA Amsterdam
The Netherlands
Tel.: +31 (0) 20 679 3218
Fax: +31 (0) 20 675 8236

E-mail address: 5ecm-reg@ics-online.nl

HOTEL INFORMATION

RAI Hotel & Travel Service

RAI Hotel & Travel Service (RHS) is part of Amsterdam RAI and arranges hotel accommodation for many international conferences in Amsterdam. RAI Hotel & Travel Service has been appointed as the official accommodation agent for the 5th European Congress of Mathematics in Amsterdam from 13-18 July 2008. RHS has carefully selected hotels near the RAI and in the city centre. As RHS offers you the lowest available hotel rates you will save search time. Demand for hotel rooms in Amsterdam is high, so book in time!

Hotel website for online bookings

RHS created a special hotel website for the 5th European Congress of Mathematics in Amsterdam through which you will be able to book your hotel accommodation during the congress.

The 5ECM hotel website will be available via a special link at the conference website www.5ecm.nl.

Here you can read a comprehensive description of each hotel, including photos, a map of Amsterdam and 'How to come to the RAI'. Here you can book your hotel room online and receive a direct confirmation.

Car rental, flights , excursions and transfers

The RAI has selected some reputable travel affiliates which offer Flights to/from Amsterdam, Excursions in Amsterdam, Airport transfers to and/from the hotels and Car rental. These can all be booked online on our website.

RAI Hotel & Travel Service
P.O. Box 77777
1070 MS Amsterdam
The Netherlands
T: +.31.20.549.1927
F: + 31.20.549.1946
E: hotelservice@rai.nl
F: www.rai.nl/hotelservice