

International Congress of Mathematicians Madrid, Spain August 22-30, 2006

www.icm2006.org

Second Announcement

The Organizing Committee of the next International Congress of Mathematicians is pleased to send, also on behalf of the International Mathematical Union, an open invitation to attend the Congress in Madrid, Spain, from August 22 to 30, 2006.

The International Congress of Mathematicians (ICM) is the most important mathematical meeting in the world. It takes place every four years since 1897. The Spanish mathematical community is proud to host the Congress for the first time in its history. As in previous occasions, the ICM 2006 will be a major scientific event, bringing together mathematicians from all over the globe and demonstrating the vital role that Mathematics plays in science and society.

This announcement contains useful information about the Congress, including the list of plenary speakers, instructions for registration and submission of abstracts, information about accommodation possibilities, many aspects of the social program, and a list of satellite events.

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A. Location of the Congress

A.1 Venue

PALACIO MUNICIPAL DE CONGRESOS
 Campo de las Naciones
 Avda. Capital de España Madrid, s/n
 28042 Madrid, Spain

Phone: +34 917 220 400

Fax: +34 917 210 607

Website: www.camponaciones.com

This convention center is located in the Northeast area of Madrid, well communicated with the public transportation system, at fifteen minutes from Paseo de la Castellana, five minutes from Barajas International Airport, and ten minutes from the Chamartín railway station. It hosts large exhibition areas, two auditoriums, and thirty auxiliary halls with a variety of capacity and size.

A.2 Access

- By car: Exit 7 from M40 (ring road) and follow “Feria de Madrid” signalling  ; N-II road until Gran Vía de Hortaleza; and follow the symbol A10 highway.
- By underground: Line 8 (Campo de las Naciones station), which is a direct line from Barajas International Airport to the city centre (Nuevos Ministerios station).
- By bus: No. 122 of EMT (Madrid Transit Company) from the Avenida de América interchange.

A.3 Secretariat

ICM 2006 Secretary General

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B. Important Dates

2006	
January 1	Deadline for grant applications
January 1	Opening of registration
January 1	Call for submission of abstracts of short communications, posters and mathematical software contributions
January 15	Deadline to submit proposals for Satellite Conferences
February 28	Deadline for visa invitation letter applications
March 30	Deadline for submission of abstracts of short communications, posters and mathematical software contributions
May 1 onwards	Information of grants awarded to applicants
May 15	Deadline for registration at a reduced rate
May 30	Deadline for notification to authors of acceptance or rejection of contributions
August 19-20	General IMU Assembly in Santiago de Compostela
August 21	Registration from 9 am to 9 pm
August 22-30	ICM 2006 in Madrid

C. Scientific Program

C.1 Plenary Lectures

After the recommendation of the Program Committee appointed by the International Mathematical Union, the Organizing Committee of the ICM 2006 has invited 20 outstanding mathematicians to give one-hour plenary lectures. All of them have accepted. Their names and affiliations follow.

Percy Deift

Courant Institute of Mathematical Sciences, New York University, New York, USA

Jean-Pierre Demailly

Université Joseph Fourier, Grenoble, France

Ronald DeVore

University of South Carolina, Columbia, USA

Yakov Eliashberg

Stanford University, Stanford, USA

Étienne Ghys

École Normale Supérieure de Lyon, Lyon, France

Richard Hamilton

Columbia University, New York, USA

Henryk Iwaniec

Rutgers University, Piscataway, USA

Iain Johnstone

Stanford University, Stanford, USA

Kazuya Kato

Kyoto University, Kyoto, Japan

Robert V. Kohn

Courant Institute of Mathematical Sciences, New York University, New York, USA

Ib Madsen

Aarhus University, Aarhus, Denmark

Arkadi Nemirovski

Technion – Israel Institute of Technology, Haifa, Israel

Sorin Popa

University of California, Los Angeles, USA

Alfio Quarteroni

École Polytechnique Fédérale de Lausanne, Lausanne, Switzerland

Oded Schramm

Microsoft Corporation, Redmond, USA

Richard P. Stanley

Massachusetts Institute of Technology, Cambridge, USA

Terence Tao

University of California, Los Angeles, USA

Juan Luis Vázquez

Universidad Autónoma de Madrid, Madrid, Spain

Michèle Vergne

École Polytechnique, Palaiseau, France

Avi Wigderson

Institute for Advanced Study, Princeton, USA

Plenary lectures will be delivered in Auditorium A (the main lecture hall of the Palacio Municipal de Congresos), which has a capacity of 2,200 seats. If necessary, talks will also be displayed in Auditorium B via closed-circuit television, so that an additional audience of 900 people can be reached.

C.2 Invited Section Lectures

Also at the recommendation of the Program Committee, 172 mathematicians have been invited (and have accepted) to give 45-minute lectures in specific scientific sections. These lectures are intended to be surveys of significant topics in their area of research.

The list of sections is the following. Numbers in parentheses indicate the number of lectures scheduled in the corresponding section. Names of speakers are at www.icm2006.org/scientificprogram/sectionlectures.

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

The above figures include three joint lectures in Sections 2, 3 and 6. In addition, there will be three panel discussions on hot educational issues in Section 19.

C.3 Short Communications, Posters and Mathematical Software

Registered participants will have the opportunity to present their mathematical work in the form of short communications, posters, or contributions on mathematical software. Only one of these three possibilities will be allowed for each participant.

Proposals for presentations in one of the scientific sections of the Congress will be considered by the Local Program Committee, provided that the proposers have registered by March 30, 2006 and indicated on the registration form that they wish to present their work.

Besides this formal framework, it will also be possible to organize ad-hoc sessions during the Congress.

Short Communications

Short communications are oral presentations of mathematical work. Sessions will be organized according to the scientific sections of the ICM 2006. Each communication should last up to 20 minutes, including discussion. Rooms for short communications will be equipped with an overhead projector.

Posters

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.

The Local Program Committee strongly recommends scientific contributions in the form of posters, and encourages participation in the poster competition (see details below). Poster sessions provide a pleasant interaction between colleagues, offering the possibility of discussion in an informal and relaxed atmosphere.

Poster sessions will take place in an exhibit area. They will also be organized according to the scientific sections of the ICM 2006. The precise panel location and timetable for authors to be present and available for questions and discussions will be communicated in due course. Posters will be affixed to ad-hoc vertical panels with two-side adhesive tape provided by the organization. A panel of 2.20 m (height) x 1 m (width) will be allowed for each poster.

Authors should prepare their posters thoroughly in advance. Their contribution to the success of the Congress will be greatly appreciated.

Mathematical Software

The main purpose of the sessions on mathematical software is to give an overview of the state of the art, highlighting the current research and its main developments. They are aimed at attracting a broad audience, including researchers, students, teachers, etc., with a particular focus on software topics.

Sessions will be devoted to presenting mathematical software systems or mathematical applications, either of general scope or focused on particular areas. Implementations of especially designed algorithms solving particular mathematical problems of research interest are also welcome. Contributions should meet the highest standards. Mathematical originality, new solutions to relevant problems, or unusual fields of application will be appreciated. Within this framework, submissions from any mathematical field using software systems will be considered; for instance, numerical analysis, computer algebra, optimization, mathematical visualization, mathematical education software, etc.

Systems that are available free of charge (e.g., public domain) are particularly welcome and clearly preferred. It should be emphasized that this is a scientific section of the Congress with no commercial aim. Established companies in software systems can offer their products in booths especially designed for commercial exhibitors.

Each contribution should last up to 25 minutes, including discussion. The room for contributions on mathematical software will be equipped with video projector and computer. It is the responsibility of contributors to obtain any required permission and license for material contained in their presentations.

C.4 Instructions for Submission of Abstracts

Submission of abstracts for short communications, posters and mathematical software will start on January 1, 2006. Abstracts submitted after March 30 will not be considered. The Local Program Committee will notify authors of the acceptance or rejection of their contribution before May 30.

Abstracts of short communications should be written in English using the LaTeX template available on the Congress website at www.icm2006.org/scientificprogram/shortcommunications. Authors should submit both a LaTeX file and a PDF file. The text of each abstract should contain a clear statement of the results and their context (between 150 and 250 words), and optionally references (no more than five).

Abstracts of accepted communications will be published in the abstract booklet of the ICM 2006.

C.5 Poster Competition

The ICM 2006 Local Program Committee is keen to encourage the presentation of posters during the Congress with the purpose of attracting a numerous and wide-ranging participation.

The use of posters as a means of scientific communication is on the increase in mathematical congresses as well as in other scientific disciplines. The advantage of presenting posters instead of short oral communications is that, unlike the spoken word, the poster remains on display for several hours, furthering discussion in a relaxed and informal atmosphere between the authors and small groups of researchers interested in the subject, often leading to multiple *à la carte* presentations.

In order to stimulate the presentation of posters, competitions in each of the 20 scientific sections of the ICM 2006 will be organized. First and second prizes of 200 and 100 euros, respectively, will be awarded in each section. A diploma will be awarded with each prize.

Rules and Procedure

1. Author(s) of posters must state whether they intend to take part in the competition on submitting their abstracts for inclusion in the Congress website. This statement of intention must be followed up by sending the electronic version of the poster in question before June 30, 2006.
2. The Local Program Committee will be the jury presiding over the competition.
3. Only those posters accepted for presentation, and whose authors have stated their intention to participate in the competition, will be considered eligible by the jury.
4. The jury will base its decisions on the following criteria:
 - a) Visual attractiveness and originality of the presentation.
 - b) Clarity of exposition of scientific data.
 - c) Quality of mathematical content and suitability of presentation in this form.
5. A list of the prize winners in each section will be made public during the Congress. Diplomas will be awarded in a ceremony. Further details will be announced in due time.
6. The jury reserves the right to declare prizes vacant.

C.6 Special Activities

This section gathers other scientific activities mostly promoted or organized by the Local Program Committee. By October 2005, the following are already scheduled:

- A lecture on the Poincaré Conjecture for a general audience, by John Morgan, Columbia University, New York, USA.
- The ICM 2006 Emmy Noether Lecture.
- A panel on e-Learning Mathematics, organized by the Spanish Conference of Deans of Mathematics.

D. Publications

D.1 Proceedings

Proceedings of the ICM 2006 will be published by the European Mathematical Society Publishing House (www.ems-ph.org). The Proceedings will consist of three volumes containing articles based on the plenary lectures and invited section lectures, as well as articles based on the lectures delivered by the recipients of the Fields Medal and the Nevanlinna and Gauss Prizes. The first volume will also contain the speeches of the opening and closing ceremonies, and a set of pictures of speakers and participants capturing highlights of the Congress.

Two volumes of the Proceedings will be handed to the participants upon registration at the Congress venue. The third volume will be sent by post mail to the participants within three months. It is the purpose of ICM 2006 to make the scientific content of the Congress as widely available as possible, by using all modern communication resources together with the Proceedings books.

Editors of the ICM 2006 Proceedings:

Marta Sanz-Solé
Universitat de Barcelona

Javier Soria
Universitat de Barcelona

Juan Luis Varona
Universidad de La Rioja, Logroño

Joan Verdera
Universitat Autònoma de Barcelona

D.2 Abstracts

Abstracts of plenary lectures and invited section lectures at ICM 2006 will be collected in a booklet published by the European Mathematical Society Publishing House, which will also be included in the package given to participants upon their registration at the Congress venue.

Abstracts of accepted contributions to be presented at short communications, poster sessions or mathematical software sessions of ICM 2006 will be collected in a book issued by the same publisher and will also be included in the Congress registration package.

Electronic versions of abstracts will be available on the Congress website in advance.

D.3 Program

A printed copy of the Congress program, containing the daily schedule of activities and other useful information will be handed out to participants at the registration desk. An electronic version of the program will be available shortly before the Congress.

D.4 The *Madrid Intelligencer*

As in previous occasions, the *Mathematical Intelligencer* from Springer-Verlag will devote a special issue of the journal to the ICM 2006. A local editorial committee is in charge of gathering articles on the following general topics:

- History of Mathematics
- Mathematics, Science and Society
- Mathematical Research

The *Madrid Intelligencer* will also contain a tourist guide, which will be helpful for Congress participants.

Editorial Committee of the *Madrid Intelligencer*:

Adolfo Quirós

Universidad Autónoma de Madrid

Fernando Chamizo

Universidad Autónoma de Madrid

E. Social Program

E.1 Opening Reception

On August 22, an opening reception will be offered to participants in the Palacio Municipal de Congresos immediately after the opening ceremony of the Congress. It will be sponsored by the Madrid City Hall and hence free for Congress participants and registered accompanying persons.

Prior registration for the opening ceremony is compulsory. Instructions are given in section I.4 below.

E.2 Dinner Party

In the evening of August 28, a dinner party will be organized for Congress participants and registered accompanying persons in the Botanical Garden of the Universidad Complutense de Madrid. Cost per person 55,00€.

E.3 Tourist Program

Pre-Conference Tours

<i>Departure</i>	<i>Tour</i>	<i>Duration</i>
August 18	Madrid - Córdoba - Sevilla - Granada - Madrid	4 days
August 19	Madrid - Ávila - Salamanca - Cáceres - Madrid	3 days

Post-Conference Tours

<i>Departure</i>	<i>Tour</i>	<i>Duration</i>
August 31	Madrid - Córdoba - Sevilla - Granada - Madrid	4 days
August 31	Madrid - Ávila - Salamanca - Cáceres - Madrid	3 days

Conference Excursions

Tuesday, August 22

- Madrid sightseeing tour
- Segovia + Ávila *

Wednesday, August 23

- Reina Sofía + Thyssen + Atocha
- Alcalá de Henares

Thursday, August 24

- Madrid de los Austrias

Friday, August 25

- Prado Museum + Botanical Garden
- Toledo *

Saturday, August 26

- Madrid sightseeing tour

Sunday, August 27

- Toledo *
- Segovia + La Granja *
- Chinchón + Aranjuez *

Monday, August 28

- Royal Palace + Pardo Palace
- Sepúlveda + Hoces del Río Duratón *

Tuesday, August 29

- Madrid de los Austrias
- Segovia + Ávila *

Wednesday, August 30

- Reina Sofía + Thyssen + Atocha
- Chinchón + Aranjuez *

* *Full day tours (lunch included)*

Madrid Sightseeing Tour

A panoramic visit of main Madrid sights: Paseo de la Castellana, Cibeles, Neptuno & Carlos V Squares, Flea Market area, Oriente Square, Plaza de España, Gran Vía, Puerta del Sol. King Felipe II made Madrid the capital of his Empire when he chose it as the location for his court in 1561. The small town then underwent considerable urban changes in line with its status of capital city. Thus the *Madrid de los Austrias* was born, a compact group of streets, squares, monasteries and palaces in the true historic city centre, Plaza Mayor. The most emblematic place in the Madrid de los Austrias is this square, inaugurated by Felipe III in 1620. It was the heart of the city; the market, religious processions, festivities and also bullfights were all held there. Today it is one of Madrid's biggest tourist attractions. The reign of the Bourbons, which began in the 18th century with Felipe V, has also left a legacy of splendid art and monumental treasures in Madrid, the *Madrid de los Borbones*. The Royal Palace, San Fernando Royal Academy of Fine Arts or the Prado Museum, are just a few examples of places which, apart from their architectural interest, offer to visitors the chance to admire matchless collections of tapestries, furniture, sculptures and world famous art masterpieces.

Reina Sofía Museum

The Reina Sofía museum is Madrid's national museum of modern art. The collection is housed in the former premises of Madrid's General Hospital, near Atocha Station, which were built in the late 18th century. Although the interior is now a computer-controlled environment, it retains much of the atmosphere of the original building. The highlight of this museum of 20th century art is without doubt Picasso's *Guernica*. It also contains other major works by influential artists including Miró and Picasso, which should not be missed.

Thyssen Museum

The Thyssen museum is located in the Castellana Street, close to the Gran Vía in the 19th century Palace of Villahermosa. The Museum houses nearly 800 paintings. The collection was begun in 1920 by the Baron von Thyssen-Bornemisza's father, who upon his death distributed the work among his various heirs. Keen to bring his father's collection together, the Baron bought back most of the work from his relatives and subsequently acquired large numbers of new works to assemble one of the world's finest private art collections. The museum was opened in 1992 after an agreement between the Baron and the Spanish government, with the works originally on loan, but a year later the collection was bought outright. The museum contains fine examples of Italian primitives and works from the English, Dutch and German schools. The modern collection includes Impressionist, Expressionist, as well as European and American paintings from the latter half of the 20th century.

Atocha Railway Station

Inside the old building, there is a tropical garden with a special microclimate.

Madrid de los Austrias

The emperor Carlos V ordered the reconstruction of the old Arab fortress, as well as public works around the area where the royal palace stands today. Like any other prosperous town, Madrid grew steadily. However, the situation changed abruptly in May 1561, when King Felipe II installed his court in Madrid. Picturesque Renaissance and Baroque buildings mark this period. This tour takes in some of the most representative buildings of the period: Puerta del Sol, Descalzas Reales, Monastery of Encarnación, Capitanía General, Plaza de la Villa (Town Hall Square), Plaza Mayor, Cathedral of San Isidro, the former Court Prison, house of Lope de Vega.

Royal Palace

The Royal Palace of Madrid starting in "plaza the Oriente" (facing Opera House) is the official residence of His Majesty The King of Spain, who makes use of it for official ceremonies, though not residing there. The origins of the Palace go back to the 9th century, during which the Islamic Kingdom of Toledo built a defensive fort on the site, later used by the Kings of Castile. It was on this ancient fortress that the Old Alcázar was constructed in the 16th century. The Alcázar was destroyed by fire on Christmas Eve, 1734, and King Felipe V wished for a New Palace occupying the same site. The entire complex was built with stone and brick vaulting, without any wood, so that no future fire could destroy it. Building work took from 1738 to 1755, and King Carlos III took up residence in the Palace in 1764. The decoration of the Royal Palace of Madrid has evolved over time in accordance with the styles prevailing at different moments. From the reign of King Carlos III are the Throne Room, the King's Chamber (or Gasparini Room), and the Porcelain Room, a masterpiece produced by the Royal Factory of El Buen Retiro. Rich materials were used for the construction and decoration: Spanish marble, gilded stucco, mahogany in doors and windows; and important works of art include frescoes by the principal artists of the period, Giaquinto, Tiepolo and Mengs, and their Spanish followers Bayeu and Maella.

The decoration of the Throne Room has been preserved intact from the reign of King Carlos III. The ceiling fresco, completed in 1766, was painted by Tiepolo; it represents the Allegory of the Spanish Monarchy, with personifications of the different Spanish possessions around the world. The carved gilt furniture and the

embroidery of the velvet wall-hangings were manufactured in Naples, where Carlos III had reigned previously. The mirrors, enormous for the period, are from the Royal Factory of La Granja, and the rock-crystal chandeliers were purchased in Venice in 1780. In 1650, Velázquez brought from Rome the bronze lions flanking the throne dais; originally, they were placed in the Throne Room of the Old Alcázar, which was on virtually the same site.

The Palace gardens are known as Campo del Moro (Moor's Field), but they originated during the reign of King Felipe II. Their present appearance dates from 1890. The square situated to the east of the Palace, and known for this reason as the Plaza de Oriente, has recently been remodelled. It contains several of the statues of the kings of Spain carved during the reign of King Fernando VI.

El Pardo Palace

Set in the wooded parkland known as the Monte de El Pardo, an area of some 16,000 hectares to the North of Madrid, is the Palace of La Zarzuela, residence of Their Majesties The King and Queen of Spain. During the Middle Ages, this parkland (which even today preserves considerable ecological treasures) was used by the Kings of Castile. Over the centuries a small settlement developed, where the Casita del Príncipe (Prince's House) is situated, together with the Convent of Concepcionistas Franciscanas and the Capuchin Friary founded by King Felipe III. The latter contains some notable works of art, including a sculpture of the Recumbent Christ by Gregorio Fernández, and the Virgin of the Angels by Francisco de Rizi. In the first half of the 15th century, King Enrique IV of Castile ordered a small castle to be built at El Pardo, and this was rebuilt by the Emperor Carlos V in 1553, being completed in 1558 (in the reign of Felipe II). The Palace of El Pardo inherited its general layout from the mediaeval castle, with towers at the corners and surrounded by a moat. Still preserved from the interior decoration of the Palace, is a ceiling painted by Gaspar Becerra during the reign of King Felipe II, and paintings from the reign of King Felipe III by artists such as Carducho and Cabrera.

A prominent feature of the interior decoration of the Palace is the tapestry collection, woven at the Royal Factory of Madrid following cartoons painted by Bayeu, Castillo and above all Goya, who produced five of his best-known series for this Palace. Among the other works of art displayed here is an equestrian portrait of Don Juan José de Austria by Ribera, La Cuerna by Velázquez, and furniture dating from the 18th and 19th centuries. Since 1983 the Palace has been adapted as a residence for foreign Heads of State on official visits to Spain. Apart from the *palacete* (or villa), the property includes wooded parkland and gardens with ornamental fountains. The interior of the *palacete* is decorated with 19th-century wallpaper, furniture, paintings and carpets from the reigns of Fernando VII and Isabel II.

Prado Museum

Very few cities in the world can offer such a wide variety of cultural attractions as Madrid. The most famous is the Museo del Prado, located in "Paseo de Recoletos" which contains such a wealth of artistic masterpieces that it cannot be fully appreciated in a single visit. Its building is the best Neoclassical work in Madrid. Begun in 18th century and finished in early 19th century, it houses one of the finest collections of art in the world. Visits are restricted to 75 minutes from Tuesday to Friday, and to 1 hour from 9 am to 11 am on Saturdays. It closes on Monday. The core of the museum, first opened in November 1819, is the Spanish Royal art collection, supplemented by later purchases and works removed from religious houses following their dissolution in the 1830s. The royal collection itself reflects the shifting tastes and alliances of Spain's kings in the sixteenth and seventeenth centuries. There are of course comprehensive examples of works by the Spanish court painters Diego de Velázquez and Francisco de Goya. Close ties with Italy, France and especially the southern (Catholic) Netherlands led to the presence of many superb works by Titian, Rubens and Hieronymus Bosch, among others.

Botanical Garden

Located across the street Alfonso XII, at the southwest corner of Parque del Retiro, the garden contains more than 104 species of trees and 3,000 types of plants. Also on the premises there are an exhibition hall and a library specialized in botanic. The park is open daily from 10 am to 9 pm in August. It was founded in the 18th century, promoted by Carlos III and constructed by Juan de Villanueva in 1781.

Ávila

The famous walls are the symbol of the city, but Ávila is also a city of contrasts: the hustle and bustle of the Mercado (market) contrasting with the peace of the religious buildings and their cloisters. With its churches and convents, beautiful palaces and impressive cathedral, Ávila has a distinctive character and identity in which the spirit of Santa Teresa de Jesús and of San Juan de la Cruz still vibrate. The house where Santa Teresa de Jesús was born is now a well-known Church containing the garden and playground where the Saint spent many hours. The church itself has a Neoclassical and Baroque façade, and there is also a Carmelite Convent. Personal objects, relics, and images related to the life of the Saint can be seen.

Segovia

Segovia is Spain and Castile at its best: twisting alleyways, the highest concentration of Romanesque churches in all Europe, pedestrian streets where no cars are allowed, all surrounded by the city's medieval wall which itself is bordered by two rivers and an extensive green-belt park with miles of shaded walks. On the north-west end of the wall is the famous Alcázar castle, a source of inspiration for Walt Disney, and where Queen Isabel promised Columbus the financial backing he needed to discover America. To the south-east is the world-renowned Roman Aqueduct, the largest and best preserved of its kind anywhere, which served as the mintmark on all coins struck in the city from 1455 to 1864. The tallest building in Segovia is still the 16th-century cathedral, a landmark that can be seen on all approaches to the city.

Alcalá de Henares

The city of Alcalá de Henares (population 180,000) is located 30 kilometers (18 miles) northeast of Madrid. The city has an important historical tradition: Romans called it *Complutum*, and its current name is of Arab origin. The city's many monuments and buildings form part of Spain's national heritage. Alcalá de Henares was the first planned university city in the world, founded by Cardinal Jiménez de Cisneros in the early 16th century. It was the original model for the *Civitas Dei* (City of God), the ideal urban community which Spanish missionaries took to the Americas, and also for universities in Europe and beyond. The University of Alcalá dates back seven centuries and has an historical heritage with which few classical universities of Europe can compare. The university moved to Madrid in 1836. In 1977 a new University of Alcalá was founded, using the old college buildings in the historic city centre and a new campus outside of town. Alcalá de Henares is best known as the birthplace of Miguel de Cervantes, author of *Don Quijote*, and some rare editions of the book can be seen in the *casa consistorial* (town hall). The city was named a World Heritage Site by UNESCO in 1998.

Toledo

The city in itself is the most characteristic example of Spanish civilization. It is like an immense museum containing some of the most outstanding artistic treasures in Spain. Its old Gothic and Renaissance buildings and its narrow streets provide a vivid portrait of the city and its splendid past. At its heart one may find the works of a painter who epitomises the spirit of the city –El Greco. Today, Toledo is still the spiritual capital of Spain and has officially been declared a National Heritage Site. Suggested visits: the Cathedral, Santo Tomé Church, the Sinagogue, Tavera's Museum, the Alcázar, San Juan de los Reyes and the craft manufacture of its well-known Damascene work.

La Granja

The Royal Seat of La Granja is on the northern side of the Guadarrama Mountains, 90 km from Madrid. King Felipe V retired to La Granja in 1724, and during the following twenty years enlarged the gardens and the Palace, which was used as a Summer Residence by all his successors down to King Alfonso XIII. Restoration work has recently been carried out on the buildings, and the collections in the State Rooms have been restored and rearranged, with the aim of recreating the atmosphere of the time of Felipe V.

Chinchón

Chinchón is one of the most picturesque and best known towns within the Autonomous Community of Madrid, and the fact that it lies very close to the capital city has not spoiled its unique personality. It stands upon hills in a dark grey and ochre colored landscape, its houses grouped around the main Square from which narrow streets wind about, still bearing witness to the life and the history of the town. The Main Square of Chinchón is one of the finest examples of a medieval square and is widely considered to be one of the most beautiful squares in the world because of its balance and proportions. Numerous activities were traditionally held in this square: from royal festivals, proclamations, travelling theater groups, games, bullfights, executions, eucharistic plays, religious, political and military events and many others, as well as its use as a cinema set. Manuel Alvar, savant and member of the Royal Academy, has written that "the town's main square owes its balance to the perfection of its architectural ensemble".

Aranjuez

The old quarter of Aranjuez is a Historic-Artistic Site. Royal palaces and gardens on the banks of the Tagus form the layout of the town. The ideas of the Enlightenment, applied to the urban development of cities, are embodied here in a balance between nature and man, with watercourses and well-designed gardens lying among the woods and palace architecture. Aranjuez was declared a World Heritage Site by UNESCO in 2001. The Strawberry Train and the festival to commemorate the Revolt of Aranjuez, of National Tourist Interest, are some of the cultural musts awaiting the visitor to this town in the Madrid region. The first thing the visitor can enjoy when approaching Aranjuez is its lush greenery, which forms a sharp contrast to the surrounding arid landscape. The principal points of interest are the 18th century Palacio Real (Royal Palace), the Casa del Labrador (farm worker's cottage) and some exceptionally fine gardens, especially the Jardin del Príncipe (Prince Gardens).

General Information About Excursions

- *UNICONGRESS reserves the right to cancel or modify the tours or excursion programs if a minimum participation of 25 people is not reached, or under certain circumstances that may occur beyond the control of the organizers.*
- *Tours and excursions include transportation in deluxe motor coach, bilingual tourist guide and entrance to museums or monuments where applicable.*
- *Pre- and post-conference tours include stays in 3-star or 4-star hotels and half board.*
- *Full-day excursions include lunch with beverages.*
- *A tour desk will be at the participants' disposal in the registration area.*

Cultural Activity

A TREASURY OF MATHEMATICS: EL ESCORIAL AND ITS LIBRARY

(Special activity for the ICM 2006)

Guided visits to El Escorial Monastery and its Library. Departure from the ICM 2006 venue (Palacio Municipal de Congresos) at 10.00. Duration: 4 hours approx. Departure dates: 24, 25, 26, 27 & 29 August. Price: 30,00 € per person, on the basis of 35 to 45 participants per group. Registration compulsory.

The Monastery of San Lorenzo de El Escorial is one of the most important monuments of the European Renaissance. King Felipe II commanded its construction in the town of El Escorial around 50 kilometers northwest of Madrid. It was mainly designed by the architects Juan Bautista de Toledo and Juan de Herrera in an austere style and built from 1563 to 1584. Although the main motive of the building was to found a Mausoleum in which the Monarch's family were laid to rest, the monument was also intended for other relevant purposes, among them as a Royal library. That reflects the importance that Felipe II attached to knowledge and, in particular, to Mathematics. The visit will allow to contemplate the Basilica, with its spectacular Presbytery, the Pantheon that symbolizes the creator's wish, the Royal Palace, the Hall of Battles, the Capitular Chambers and, finally, its impressive Library. There, participants will enjoy both its main Hall and its exceptional collection.

E.4 Activities for Accompanying Persons

Accompanying persons are invited to join the Congress tours described above. Besides, here are some ideas to enjoy your time in Madrid on your own:

- Best of the Week: www.guiadelocio.com/english
- Opera House: www.teatro-real.com
- Outlet Shopping: www.lasrozasvillage.com/lasrozas/home.asp?lan=en
- Karting: www.kartcsainz.com
- Real Madrid Stadium Tour: www.realmadrid.es/portada_eng.htm
- Planetarium: www.planetmad.es
- Zoo: www.zoomadrid.com
- Funfair: www.parquedeatracciones.es
- Aquopolis: www.aquopolis.es/villanueva
- Other Museums: www.softdoc.es/madrid_guide/culture/other_museums.html

F. Travel

F.1 General Information

Madrid can be reached by air, train, bus or car. Detailed information to help preparation of travel arrangements appears below (rates correspond to 2005).

BY AIR

Official Airline

IBERIA is the official Spanish carrier. Tickets are available for domestic flights, European flights and international flights with a 30% discount on business, tourist and excursion fares, subject to route flown and availability. This offer is only valid for return tickets in flights from IBERIA or Air Nostrum

To benefit from this offer, reservations and arrangements must be made either at ATLANTA VIAJES (phone: +34 913 104 348; fax: +34 913 195 322; e-mail: madrid@atlantaviajes.es) or at any IBERIA office. Registration to the Congress is required in order to benefit from these discounts.

Barajas International Airport

All flights arrive at Barajas International Airport (airport information phone: +34 902 353 570).

Baggage lockers are available 24 hours a day. Rates will be charged per day or part of day from the time of deposit until midnight of the same day. Cash only. Fees 1st day are 2.75 €; 2 days to 2 weeks: 4.87 € per day large locker or 3.48 € per day small locker.

Barajas Airport is 13 km away from the city and is linked to Madrid by the M30 and M40 motorways.

Regular Bus

Regular bus service is available from the airport to the bus terminal at Avenida de América (city centre) with several intermediate stops.

Metro

Line 8 (pink line) takes you to the city centre (Nuevos Ministerios station) from the airport. Prices are:

- 1,00 € for a MetroMadrid single trip (fare zone A);
- 1,50 € for a combined metro single ticket (fare zones B1, B2, B3)
- 6,15 € for a ten-trip Metrobus ticket. Ten-trip tickets are also valid on buses.

Furthermore, luggage can be checked in at the Nuevos Ministerios station directly to destination.

Airport Parking

Price per hour: 1,50 €; 24 hours: 15,00 €.

Long stay parking: first and second days, 9,50 € per day; third, fourth and fifth days, 8,50 € per day; from the seventh day onwards, 4,50 € per day.

Parking pass: weekend 22,00 €; five days 40,00 €; one week 52,00 €; eleven days 64,00 €; two weeks 78,00 €.

Taxis

One-way trips from Barajas Airport to the city centre cost around 25-30 euros. There should be no problem in getting a taxi from the airport.

Taxis can be hailed simply by waving one's hand. They are also available by calling the following numbers:

- +34 914 055 500
- +34 914 475 180
- +34 914 459 008

Car Rental

Hertz offers ICM participants and accompanying people discounts when renting a car or station wagon.

BY TRAIN

Trains arriving from abroad and from the South, East, and West of Spain, including the high-speed AVE trains, arrive at the Atocha railway station (metro Atocha Renfe, line 1). Trains to and from the North arrive at Chamartín railway station (metro Chamartín, line 10). Many trains stop at both stations. Railways in Spain are run by the state company RENFE (phone: +34 902 240 202).

BY BUS

Buses are generally the cheapest form of transport in Spain. The main bus station for international and long distance travel is the Estación Sur de Autobuses, (metro Mendez Álvaro, line 6) which is located on the south of the city centre (phone: +34 914 684 200).

BY CAR OR PRIVATE TRANSPORTATION

Madrid has six principal highways entering and leaving the city, from N-I to N-VI. It has also three major ring roads; M30, M40 and M50.

- A1 (Burgos Highway)
Also known as Autovía del Norte, this highway connects Madrid to Burgos and Santander, to the cities of the Basque regions (Vitoria, Bilbao, San Sebastián), to France via Irún, and to ferries from the British Islands.
- A2 (Barcelona Highway)
This is a direct highway to Barcelona and the Costa Brava, via Guadalajara, Zaragoza, and Lleida. Also connects to Southern France via Portbou.
- A3 (Valencia Highway)
Used for travelling to and from Cuenca, Albacete, Murcia, and the following Mediterranean cities/costal areas: Alicante (Costa Blanca), Valencia, and Castellón (Costa del Azahar).
- A4 (Andalucía Highway)
This is the route to and from the following cities: Ciudad Real, Jaén, Córdoba, Sevilla, Granada, Almería, Málaga, Cádiz, Jerez de la Frontera, the resorts on the Costa del Sol and the Costa Cálida, Gibraltar, and the ferries to Morocco.
- A5 (Extremadura Highway)
Highway to Talavera, Trujillo, Cáceres, Mérida, Badajoz, and Lisbon and southern Portugal. It is also an alternative route to Western Andalusia.
- A6 (A Coruña Highway)
Leads to: El Escorial, Segovia, Ávila, Salamanca, Valladolid, Zamora, León, the cities of Galicia and Asturias, and northern Portugal.

F.2 Congress Agent

UNICONGRESS has been appointed by the Organizing Committee to handle registration for the Congress, and reservation of accommodation and tours, etc. for Congress participants. Please send correspondence related to the Congress to:

ICM 2006 Technical Secretariat
c/o UNICONGRESS
Bárbara de Braganza, 12 – 3º D
28004 Madrid, Spain

Phone: +34 913 104 376

Fax: +34 913 195 746

E-mail: icm2006@unicongress.com

F.3 Tourist Information

A trip to Spain is a celebration of diversity, an opportunity to enjoy our excellent climate, outstanding cuisine, and *joie de vivre*. But it is also a chance to discover our exceptional cultural and artistic heritage, to experience our unique environment, to get acquainted with the customs of our people and to share with them their festivals and traditions

Climate

Madrid summer temperatures reach their highest values (over 35°C – 95°F) in July and early August. During the second half of August, and into September, the temperature is cooler, often dropping between 5 and 10 degrees, particularly at night. Most buildings and public facilities are air conditioned. Rain is infrequent but there are occasional summer storms.

Clothing

Short-sleeved shirts, shorts, sun glasses and sun hats. Sandals are a very good idea, and Madrid is a good place to buy them. Sun cream if you have a fair complexion. Formal dress is not required at restaurants or when attending official events; nevertheless you are expected to be appropriately attired.

Madrid Tourist Information

Relevant websites with useful information:

- www.softdoc.es/madrid_guide/info
- www.munimadrid.es
- www.tourspain.es

Public Transportation

- www.emtmadrid.es
- www.metromadrid.es

Credit Cards

All major credit cards are accepted in the majority of hotels, restaurants and shops.

Currency

The Spanish currency is the Euro.

Electricity

The electrical supply in most areas of Spain is 220 V, 50 Hz. Plug sockets are European continental standard (two rounded pins).

F.4 About Madrid

Madrid is renowned for cultural tourism and leisure, history and modernity, in a lively and cosmopolitan atmosphere, with first-rate facilities and professional services.

General Data

Madrid is the capital of Spain since 1562. It is located in the geographic centre of the Iberian Peninsula, at 646 metres above sea level. Because of its central location and high altitude, the climate of Madrid is characterized by warm dry summers and cool winters.

Distance between Madrid and main Spanish cities: Toledo 71 km, Segovia 87 km, Salamanca 200 km, Valencia 352 km, Granada 423 km, Córdoba 394 km, Sevilla 462 km, Barcelona 621 km.

Madrid has a population of over four million inhabitants. It is a cosmopolitan city in which the main offices of Public Administration are found, together with the seats of Government and the Spanish Parliament. It is also the main residence of the Spanish Royal Family.

Madrid also plays a major role in both finance and industry. Much of the industry is located in the southern part of the city, where important textile, food and metallurgical plants are concentrated.

Culture and Museums

Madrid is one of the major capitals of the arts. Its galleries and museums are among the finest in the world. It is necessary to set aside a significant amount of time if you want to capture the full flavour of what Madrid has to offer.

If you are unable to stop over for very long, you will almost certainly find that you have more than enough to keep you busy in Madrid's three most important museums along the *Walk of the Art*: Prado, Thyssen and Reina Sofía. These three museums are located near the city centre, all within walking distance of one another, forming what is known as the *Golden Triangle*. Although it is possible to visit all three museums in a single day, those who try will no doubt end their tour with sore feet. For art lovers, a single visit to any of these three will certainly be insufficient.

Madrid is also a lively metropolis with many pubs, cafés, discotheques and nightclubs open late into the night, where you could discover for example flamenco dancing.

Gastronomy

Since Felipe II made Madrid the capital of Spain, numerous recipes and culinary influences from all the regions of the country have been incorporated into its cuisine, so that it is practically impossible to say which dishes are original and which are imported. Today Madrid offers a more Spanish than regional type of cooking.

Typical dishes are mainly hotpots, such as the well-known *cocido madrileño* with chick-peas. Among regional specialities the delicious asparagus from Aranjuez and the very typical *sopa de ajo* (a soup made of garlic) are delicious. There are many dishes of lamb and veal, although surprisingly considering its geographic location, Madrid is a real paradise for the lovers of all kinds of fish. It has the second biggest fish market in the world (after Tokyo), and in shops as well as in many restaurants you will find a wide selection of fish of extraordinary quality. Ideally suited to this kind of meal are the young and aromatic wines of the region, *vinos de Madrid*. To round off your dinner in a very typical way, try a glass of *anisado de Chinchón* (anisetteschnapps).

In addition to these specialities, *tapas* are a venerable gastronomic tradition. Served as appetizers with wine or beer, these savoury titbits (such as Serrano ham or *tortilla de patata*) are a distinctive feature in many bars and restaurants throughout the city.

G. Mail and Messages

All mail, telegrams, and faxes for people attending the Congress should be addressed to UNICONGRESS at the address given above (A.3).

Personal Messages

Participants wishing to exchange personal messages during the ICM 2006 should stick their messages on the Message Board located in the lobby of the Palacio Municipal de Congresos.

Public E-mail Service

During the Congress days, public e-mail service will be available for ICM 2006 participants. For this, a mail server and client computers will be offered in the Palacio Municipal de Congresos.

H. Miscellaneous Information

H.1 Language

Announcements, correspondence, and all other business matters will be written in English.

H.2 Invitation Letter

An official invitation letter will be sent by the Organizing Committee upon request. Requests should be addressed to the ICM 2006 Technical Secretariat (icm2006@unicongress.com). This personal invitation is intended only to facilitate travel and visa arrangements to participants. Visa applications are the sole responsibility of participants.

H.3 Bank Services

Euro is the only currency used in Spain. Money exchanges by cash or traveller's cheques can be made in most of the banks located in the city centre or at Barajas International Airport. There are also money exchange services in all star-rated hotels.

Bank offices near the Palacio Municipal de Congresos:

- Cajamadrid
- Ibercaja
- La Caixa
- Banco Popular
- BBVA

Office hours are 8.15 am to 2 pm from Monday to Friday. Banks are closed on Saturday and Sunday. A Cajamadrid cashier is located in the Campo de las Naciones underground station.

H.4 Shopping Hours

Opening hours are 10 am to 10 pm for major department stores, from Monday to Saturday.

H.5 First Aid, Health and Accident Insurances

The Congress fee does not include insurance for participants against accidents, sickness, or loss of personal property. Thus, participants are strongly advised to make their own arrangements for short-term health and accident insurance in advance. In any case, the organizers refuse all liability to cover health or accident expenses of participants, unless expenses are due to an act of negligence by ICM 2006.

During the Congress, first aid will be available in the Palacio Municipal de Congresos. In case of emergency, please contact the registration counter. In case of illness, you may go to the hospitals or clinics listed below.

- | | |
|--|-----------------|
| ▪ Hospital Universitario de La Paz: | +34 917 277 000 |
| ▪ Hospital Universitario Ramón y Cajal: | +34 913 368 000 |
| ▪ Hospital Universitario Puerta del Hierro: | +34 913 162 240 |
| ▪ Hospital General Universitario Gregorio Marañón: | +34 915 868 000 |
| ▪ Hospital Universitario 12 de Octubre: | +34 913 908 000 |

I. Registration

Registration is required in order to be admitted to the venue and for participation in the scientific program of the Congress and other ICM 2006 activities.

- **Full registration** includes conference materials, the proceedings of the Congress, free coffee during coffee breaks, a public transport ticket valid for the duration of the Congress, and admittance to the opening ceremony.
- **Students** who have not completed their PhD have the option of registering at a reduced student rate on presentation of an official student certificate from their university. Student registration does not include the proceedings of the Congress.
- **Registration for accompanying persons** includes a badge, a public transport ticket valid for the duration of the Congress, and admittance to the opening ceremony.

I.1 Submission of Registration Forms

Registration forms will be available on the Congress website from January 1, 2006. Online submission of the registration form is encouraged. It will also be possible to retrieve a PDF file from the Congress website and submit it by fax or post. All registrations must be submitted on official registration forms. Please use a separate form for each participant.

Please use only one method for submission of your registration. Otherwise, multiple registrations may occur and such registrations may even be rejected by the operational system. Telephone requests cannot be accepted. The registration will be considered as binding when it is received by UNICONGRESS and payment of the total fees has been received.

Participants wishing to reserve hotel accommodation or tickets for the tourist program must be registered.

I.2 Data Protection

The protection of individuals with regard to the processing of personal data and the free movement of such data is published in the European Parliament Directive 95/46/EC and of the Council of October 24, 1995. The Spanish LO 15/99 published in the BOE of December 14, 1999 also refers to personal data protection. In accordance with these directives, personal data of registered participants will be processed by ICM 2006 only for the promotion of the Congress. By filling in the registration form, participants authorize ICM 2006 to use their data for the above mentioned purpose. Participants are entitled to change or erase their personal data through the ICM 2006 Secretariat.

I.3 Secretariat and Registration Counter

Reception of participants will take place at the Conference Registration Counter, which is located at level 0 of the Palacio Municipal de Congresos, where participants will be able to pick up their badges and conference material at the following times:

Monday	August 21	9:00 – 21:00
Tuesday	August 22	7:00 – 20:00
Wednesday	August 23	8:00 – 20:00
Thursday	August 24	8:30 – 18:00
Friday	August 25	8:30 – 18:00
Saturday	August 26	8:30 – 18:00
Sunday	August 27	Closed
Monday	August 28	8:30 – 18:00
Tuesday	August 29	8:30 – 18:00
Wednesday	August 30	8.30 – 18.00

Registration Desk

At the registration desk, registered participants will be provided with badges, documents, and vouchers for all events that have been confirmed. These documents will not be mailed before the Congress.

In the case of fees that have been forwarded late and have therefore not yet been credited to the account of ICM 2006 on the day of arrival, a copy of the remittance order must be presented.

On-Site Registration

All registrations processed on or after August 16, 2006 will be delivered on the on-site registration desk. The following credit cards will be accepted for on-site registration: VISA, Eurocard, Mastercard, American Express and Diner's Club.

I.4 Opening Ceremony

Prior registration for the opening ceremony is compulsory. The ceremony will be held in Auditorium A. Extra seats will be available in Auditorium B and Polivalente Hall, receiving audio and video from Auditorium A. Placement will be assigned by the Secretariat on receipt of the registration form. In order to attend the opening ceremony, participants must have completed the registration process at the registration counter located at the Palacio Municipal de Congresos, on August 21 or up to 60 minutes before the opening ceremony on August 22. Tickets indicating the room assigned to each participant will be inside the Congress documentation.

I.5 Registration Fees

	UNTIL MAY 15	MAY 16 TO AUGUST 15	FROM AUGUST 16 ²
Full registration	260 €	300 €	350 €
Student ¹	120 €	170 €	210 €
Accompanying person	80 €	100 €	120 €

¹ Registration as a student requires the attachment of an official certificate from a university.

² From August 16, 2006, all registrations will be considered on-site registrations at the applicable on-site fee.

I.6 Methods of Payment

All payments must be in Euros and made payable to ICM 2006. No confirmation will be sent until the Congress Technical Secretariat has received the full payment. *Remember to state the participant's name and "ICM 2006" on all payments!*

Payment must be remitted as follows:

- On-line registration can be paid only by credit card.
- Fax or mail registration can be paid by bank transfer or credit card.
- On-site registration (processed on or after August 16, 2006) can be paid only by credit card or in cash.

Any bank charges which might be incurred must be met by participants themselves, and if still outstanding they will be charged upon registration at the registration counter in Madrid.

Invoices

If you need an invoice, please send us a request in writing with your billing details together with the registration form.

I.7 Cancellations

A handling fee of 30 € will be charged for any changes in registration. Any change of name will be dealt with as a cancellation and a new registration.

Cancellation of Registration

All cancellations must be sent to UNICONGRESS in writing (fax, letter or e-mail).

- In case of cancellations before June 30, 2006, deposits will be refunded less 30 € for administrative costs.
- No refund will be made for cancellations received after June 30, 2006 or for registered participants who fail to attend the Congress.

J. Accommodation

UNICONGRESS has reserved a number of rooms at different hotels in three main areas of Madrid, most of them conveniently located on the main transport routes and accessible by subway.

- AREA A: Conference Venue & Airport Area
- AREA B: Madrid North Area
- AREA C: Madrid Central Area

Hotel Categories

- 5-star hotels (luxury class)
- 4-star hotels (first class)
- 3-star hotels (tourist class)

J.1 Hotel Reservation and Submission of Accommodation Forms

Accommodation forms will be available on the Congress website from January 1, 2006. Online submission of the accommodation form is encouraged. It will also be possible to retrieve a PDF file from the Congress website at www.icm2006.org/accommodation/generalinformation and submit it by fax or post.

Please use only one method when submitting your accommodation form; otherwise multiple reservations may occur and submissions may even be rejected by the operational system. Telephone reservations cannot be accepted.

Only prepaid reservations will be processed. Full payment covering the entire stay is required to guarantee the booking. On-line requests can be paid only by credit card. Fax or mail requests can be paid by credit card or bank transfer.

Requests for hotel accommodation received after July 15, 2006 cannot be guaranteed.

Reservations are made on a first-come-first-serve basis. Availability of rooms in each category is limited. Names of persons sharing rooms should be stated.

Hotel Check-In

If you plan to arrive at your hotel after 6 pm on the scheduled day of arrival, please indicate your arrival time on your accommodation form in the remarks box, as reserved rooms will be kept only until 6 pm.

Hotel Check-Out

Guests must vacate their rooms before noon on the day of departure. Before booking, please read the hotel reservation and cancellation policy carefully.

J.2 Hotel Rates

Prices per day and room with breakfast fall within the following range:

3-star hotels	single room from 70 to 75 €	double room from 70 to 90 €
4-star hotels	single room from 75 to 120 €	double room from 75 to 120 €
5-star hotels	single room from 110 to 130 €	double room from 110 to 130 €

VAT is additional. Payment for the whole stay is required. Rates are valid for participants for the duration of the Congress.

J.3 Low Budget Accommodation

A small number of rooms have been reserved in student dormitories. Further information about low budget accommodation in Madrid is given in the following Internet addresses:

- www.olehostel.com
- www.madrid.org/juventud/albergues_refugios.htm
- www.europeanhostels.com

J.4 Methods of Payment

All payments must be made in Euros and are payable to

UNICONGRESS
Bárbara de Braganza, 12 – 3º D
28004 Madrid, Spain.

No confirmation will be sent until UNICONGRESS has received full payment. *Remember to state the participant's name and "ICM 2006" on all payments!*

Payment must be remitted as follows:

- On-line accommodation requests can be paid only by credit card.
- Fax or mail accommodation request can be paid by bank transfer or credit card.

Any bank charges incurred must be met by Congress participants themselves, and if still outstanding they will be charged upon registration at the registration counter in Madrid.

Invoice

If you need an invoice, please send us a request in writing with your billing details together with the accommodation form.

J.5 Hotel Cancellation and Changes

A handling fee of 30 € per hotel and room will be charged for any change in reservation up until July 15, 2006. After that date no further changes can be accepted.

Cancellation of Accommodation

All cancellations must be sent to UNICONGRESS in writing (fax, letter or e-mail).

- Cancellations before June 30, 2006: full refund less 30 € for administrative fees.
- Cancellations between June 30 and July 15, 2006: full refund less one night deposit.
- No refund will be made for cancellations received after July 16, 2006, or confirmed rooms for participants who fail to attend.

Accommodation vouchers, together with a receipt, will be forwarded when payment is received. Please keep these vouchers, as you will need them for check-in at your hotel.

K. Financial Support to Participants

The International Mathematical Union and the Executive Committee of the ICM 2006 are making efforts to obtain financial support to enable as many mathematicians as possible from developing and economically disadvantaged countries to participate at the ICM 2006. Applicants need not necessarily be from IMU member countries.

The IMU and the Organizing Committee have established five different support categories:

- Young mathematicians from developing and economically disadvantaged countries
- Senior mathematicians from developing and economically disadvantaged countries
- Senior mathematicians from Latin America
- Senior mathematicians from Mediterranean developing countries
- Young Spanish mathematicians

Eligible countries are listed on the Congress website at www.icm2006.org/financialsupport. Other young and senior mathematicians who do not fall within these groups are asked to refrain from applying for this source of support.

Requirements for Applicants

Applicants should preregister for the Congress. The country of the permanent institution of applicants in categories 1, 2, 3 and 4 must be included in the respective list of eligible countries.

Application Form

All participants who wish to apply for financial support are kindly asked to complete the application form that can be found at www.icm2006.org/financialsupport. There is only one application form, to be used for all five categories of support.

Deadline

The deadline for receipt of applications in all five categories is January 1, 2006. Applicants will be informed of the decision of the selection committee as soon as possible after May 1.

L. Sponsors

International Congresses of Mathematicians are outstanding for several reasons:

- They convene mathematicians from all over the world.
- It is at these events when Fields Medals and other prizes are awarded.
- They are a great forum in which the state of research and development in Mathematics is checked.
- They provide a platform for many satellite events, making the host country a focal point before, during and after the Congress.

Several institutions have already assigned their contribution to the ICM 2006. They are listed on the Congress website at www.icm2006.org/sponsors/institutions. Companies and institutions willing to support this important event are invited to contact the Technical Secretariat at icm2006@unicongress.com.

M. Exhibitors

Full information concerning the participation of exhibitors, floor plans and the reservation procedure is included in the Exhibitors Manual, which is available at www.icm2006.org/exhibitors/generalinformation. Companies and institutions interested in participating in the ICM 2006 exhibition or in other promotional opportunities are kindly requested to contact the Technical Secretariat at icm2006@unicongress.com.

N. Satellite Conferences

N1. Application for Satellite Conferences

Satellite conferences are the most important scientific activities surrounding the celebration of every ICM. The Executive Committee of the ICM 2006 encourages all members of the mathematical community to get involved in the organization of scientific meetings and workshops on this occasion.

There are a small number of requisites for a meeting in order to be accepted as a satellite conference, on top of which is the scientific quality and the interest of the research topics proposed, as well as the previous experience of the organizers. Other criteria to be considered are the following;

- The conference may be organized by any scientific group in any of the research areas of current interest in Mathematics.
- The conference must have a strong international projection and, therefore, should be well balanced with respect to the participation of local and international specialists.
- For strategic reasons, proximity in time to the ICM 2006 is required.

The Organizing Committee also encourages people to coordinate efforts and avoid potential conflicts or overlapping with similar initiatives from research groups in the same scientific area.

N2. Preliminary List of Satellite Conferences

Title: **Workshop - From Lie Algebras to Quantum Groups**

Place and dates: Coimbra (Portugal), 28-30 June

Contact person: Joana Teles

E-mail: jteles@mat.uc.pt

Title: **6th Meeting on Game Theory and Practice**

Place and dates: Mediterranean Agro. Ins, Zaragoza (Spain) 10-12 July

Contact person: Fioravante Patrone

E-mail: patrone@diptem.unige.it

Web: <http://www.iamz.ciheam.org/GTP2006/index.htm>

Title: **Geometric Aspects of Integrable Systems**

Place and dates: University of Coimbra (Portugal), 17 -19 July

Contact person: Joana Nunes da Costa

E-mail: jmcosta@mat.uc.pt

Title: **XVth Oporto Meeting on Geometry, Topology and Physics**

Place and dates: Oporto (Portugal), 20-23 July

E-mail: miguelc@fc.up.pt

Title: **Summer School on Statistical Tools in Knowledge Building**

Place and dates: CIM (Coimbra, Portugal), 23-29 July

Contact person: Dinis Pestana

E-mail: dinis.pestana@fc.ul.pt

Title: **2nd SIPTA Summer School on Imprecise Probabilities**

Place and dates: URJC-I (Madrid, Spain), 24-28 July

Contact person: Enrique Miranda

E-mail: enrique.miranda@urjc.es

Title: **New Trends in Viscosity Solutions and Nonlinear PDE**

Place and dates: Lisboa (Portugal), 24-28 July

Contact person: Diogo Gomes

E-mail: dgomes@math.ist.utl.pt

Title: **MKM 2006, the Fifth International Conference on Mathematical Knowledge Management**

Place and dates: UK, 10-12 August

Contact person: William M. Farmer

E-mail: wmfarmer@mcmaster.ca

Title: **Methods of Integrable Systems in Geometry: an LMS Durham Research Symposium**

Place and dates: University of Durham (UK), 12-20 August

Contact person: John Bolton

E-mail: john.bolton@durham.ac.uk

Web: <http://maths.dur.ac.uk/events/Meetings/LMS/2006/IS/>

Title: **International Conference on Global Differential Geometry**

Place and dates: Münster (Germany), 13-19 August

Contact person: Joachim Lohkamp

E-mail: j.lohkamp@uni-muenster.de

Title: **Workshop on Triangulated Categories**

Place and dates: Leeds (UK), 13-19 August

Contact person: Peter Jorgensen / Raphael Rouquier

E-mail: popjoerg@maths.leeds.ac.uk

Title: **Harmonic and Geometric Analysis with Applications to PDE's**

Place and dates: Sevilla (Spain), 14-18 August

Contact person: Carlos Pérez

E-mail: carlosperez@us.es

Web: <http://www.us.es/sevilla2006/>

Title: **7th International Conference on Monte Carlo and Quasi-Monte Carlo Methods in Scientific Computing, MCQMC 2006**

Place and dates: Ulm (Germany), 14-18 August

Contact person: Alexander Keller

E-mail: keller@informatik.uni-ulm.de

Title: **CIMPA-School: New Trends in Singularities**

Place and dates: Madrid (Spain), 14-21 August

Contact person: Ignacio Luengo

E-mail: ignacio.luengo@mat.ucm.es

Title: **CMDE2006 - Communicating Mathematics in the Digital Era**

Place and dates: Aveiro (Portugal), 15-18 August

Contact person: Eugenio Rocha

E-mail: eugenio@mat.ua.pt

Title: **VII Workshop on Symplectic and Contact Topology, GESTA-2006**

Place and dates: Madrid (Spain), 16-19 August

Contact person: Vicente Muñoz

E-mail: vicente.munoz@imaff.cfmac.csic.es

Web: <http://www.ma1.upc.edu/gesta/>

Title: **Trends and Challenges in Calculus of Variations and its Applications**

Place and dates: Toledo (Spain), 16-19 August

Contact person: José Carlos Bellido

E-mail: JoseCarlos.Bellido@uclm.es

Web: <http://matematicas.uclm.es/toledo2006/>

Title: **Algebraic Geometry**

Place and dates: Segovia (Spain), 16-19 August

Contact person: Raquel Mallavibarrena

E-mail: raquelm@mat.ucm.es

Web: <http://www.escet.urjc.es/satellite/>

Title: **Conference on Associative and Non-associative Algebraic Structures**

Place and dates: Oviedo (Spain), 18-20 August

Contact person: Santos González

E-mail: santos@pinon.ccu.uniovi.es

Web: <http://orion.ciencias.uniovi.es/icmoviedo/>

Title: **CIMPA School on Optimization and Control**

Place and dates: Castro Urdiales (Cantabria, Spain), 28 August - 8 September

Contact person: Eduardo Casas

E-mail: eduardo.casas@unican.es

Web: <http://www.cimpa-icpam.org/index.php>

Title: **Geometry and Topology of Low Dimensional Manifolds**

Place and dates: Burgo de Osma (Soria, Spain), 31 August - 2 September

Contact person: Antonio Costa

E-mail: acostam@mat.uned.es

Web: <http://www.mai.liu.se/LowDim/>

Title: **Sixth International Workshop on Automated Deduction in Geometry, ADG-2006**

Place and dates: Pontevedra (Spain), 31 August - 2 September

Contact person: Francisco Botana

E-mail: fbotana@uvigo.es

Title: **Advances in PDE's Geometry**

Place and dates: Madrid (Spain), 31 August - 3 September

Contact person: Agostino Prástaro

E-mail: prastaro@dmmm.uniroma1.it

Title: **Trends and Topics in the Future of Combinatorial and Computational Geometry**

Place and dates: Alcalá de Henares (Madrid, Spain), 31 August - 5 September

Contact person: Manuel Castellet

E-mail: ACCOMGeometry@crm.es

Web: <http://www.crm.es/ACComGeometry/>

Title: **Workshop on Geometric and Topological Combinatorics**

Place and dates: Alcalá de Henares (Madrid, Spain), 31 August - 5 September

Contact person: Francisco Santos

E-mail: santosf@unican.es

Web: <http://www2.uah.es/gtc06/>

Title: **Non-commutative Algebra**

Place and dates: Granada (Spain), 31 August - 6 September

Contact person: Pascual Jara

E-mail: pjara@ugr.es

Title: **International Congress on K-Theory and Non-commutative Geometry (VASBI)**

Place and dates: Valladolid (Spain), 31 August - 6 September

Contact person: Guillermo Cortiñas

E-mail: gcorti@agt.uva.es

Title: **XXIst International Workshop on Differential Geometric Methods in Theoretical Mechanics**

Place and dates: Madrid (Spain), 31 August - 7 September

Contact person: David Martín

E-mail: ceed322@imaff.cfmac.csic.es

Title: **International Congress of Mathematical Software 2006**

Place and dates: Castro Urdiales (Cantabria, Spain), 1-3 September

Contact person: Jaime Gutierrez

E-mail: jaime.gutierrez@unican.es

Title: **Mathematical Neuroscience**

Place and dates: Sant Julià de Lòria (Andorra), 1-4 September

Contact person: Manuel Castellet

E-mail: CMathNeuroscience@crm.es

Web: <http://www.crm.es/CMathNeuroscience/>

Title: **Topics in Mathematical Analysis and Graph Theory**

Place and dates: Belgrade (Serbia and Montenegro), 1-4 September

Contact person: Milan Merkle

E-mail: emerkle@kondor.etf.bg.ac.yu

Web: <http://magt.etf.bg.ac.yu/>

Title: **Geometric and Asymptotic Group Theory with Applications**

Place and dates: UPC Manresa (Barcelona, Spain), 1-5 September

Contact person: Enric Ventura

E-mail: enric.ventura@upc.edu

Title: **Geometric Measure Theory**
Place and dates: Napoli (Italy), 1-5 September
Contact person: Juan José Manfredi
E-mail: manfredi@pitt.edu

Title: **International Summer School and Workshop on Operator Algebras, Operator Theory and Applications**
Place and dates: ITS-Lisboa (Portugal), 1-5 September
Contact person: Amélia Bastos
E-mail: abastos@math.ist.utl.pt

Title: **CR Geometry and PDE's**
Place and dates: CIRM-Trento (Italy), 3-8 September
Contact person: Augusto Micheletti
E-mail: michelet@unitn.it

Title: **IV Summer School in Modern Mathematical Physics**
Place and dates: Zlatibor (Serbia and Montenegro), 3-14 September
Contact person: Branko Dragovich
E-mail: dragovich@phy.bg.ac.yu

Title: **Barcelona Analysis Conference**
Place and dates: Barcelona (Spain), 4-8 September
Contact person: Javier Soria
E-mail: soria@mat.ub.es
Web: <http://www.imub.ub.es/bac06/>

Title: **Banach Space Theory: Classical Topics and New Directions**
Place and dates: Cáceres (Spain), 4-8 September
Contact person: Jesús M. F. Castillo
E-mail: castillo@unex.es
Web: <http://www.banachspaces.com/>

Title: **Conference on Singularities and Differential Equations**
Place and dates: Tordesillas (Valladolid, Spain), 4-8 September
Contact person: Jorge Mozo
E-mail: jmozo@maf.uva.es
Web: <http://www3.uva.es/tordesillas2006/>

Title: **Groups in Geometry and Topology, GGT Málaga 06**
Place and dates: Málaga (Spain), 4-8 September
Contact person: Antonio Viruel
E-mail: viruel@agt.cie.uma.es
Web: <http://agt.cie.uma.es/~ggt06/>

Title: **International Conference on Arithmetic Algebraic Geometry**
Place and dates: El Escorial, (Madrid, Spain), 4-8 September
Contact person: Adolfo Quirós
E-mail: adolfo.quirós@uam.es

Title: **International Seminar on Applied Geometry in Andalusia, ISAGA'06**
Place and dates: Granada (Spain), 4-8 September
Contact person: Miguel Ortega
E-mail: isaga06@ugr.es
Web: <http://gigda.ugr.es/isaga06/>

Title: II Euro-Japanese Workshop on Blow-up
Place and dates: El Escorial (Madrid, Spain), 4-8 September
Contact person: Juan Luis Vázquez
E-mail: juanluis.vazquez@uam.es

Title: 3rd International Workshop on Mathematical Techniques and Problems in Telecommunications
Place and dates: Leiria (Portugal), 4-8 September
Contact person: Antonio Navarro
E-mail: navarro@av.it.pt

Title: Algebraic Geometry and Geometric Modeling (AGGM 2006)
Place and dates: IMUB, Barcelona (Spain), 4-8 September
Contact person: Laureano González
E-mail: laureano.gonzalez@unican.es

Title: Stochastic Analysis in Mathematical Physics
Place and dates: Lisboa (Portugal), 4-8 September
Contact person: J.C. Zambrini
E-mail: zambrini@cii.fc.ul.pt

Title: Geometry Conference in Honour of N. Hitchin
Place and dates: Madrid (Spain), 4-9 September
Contact person: Oscar Garcia-Prada
E-mail: oscar.garcia@imaff.cfmac.csic.es
Web: <http://www.mat.csic.es/webpages/conf/hitchin2006/>

Title: Workshop on Analytic Aspects of Low Dimensional Geometry
Place and dates: Warwick (UK), 4-9 September
Contact person: Samuel Lelievre
E-mail: samuel.lelievre@free.fr

Title: X Encuentro de Álgebra Computacional y Aplicaciones EACA2006
Place and dates: Sevilla (Spain), 7-9 September
Contact person: Francisco J. Castro Jiménez
E-mail: castro@us.es

Title: Integrable Systems in Applied Mathematics
Place and dates: Colmenarejo (Madrid, Spain), 7-12 September
Contact person: Luis Martínez
E-mail: luism@fis.ucm.es

Title: International Conference on Complex Analysis and Potential Theory
Place and dates: Gebze Institute of Technology Istanbul (Turkey), 8-14 September
Contact person: Tahir Aliyev Azeroglu
E-mail: aliyev@gyte.edu.tr

Title: XV Fall Workshop on Geometry and Physics
Place and dates: Tenerife (Spain), 11-15 September
Contact person: Juan-Carlos Marrero
E-mail: mjcmarrer@ull.es

Title: International Conference on "The Logic of Soft Computing"
Place and dates: Málaga (Spain), 13-15 September
Contact person: Manuel Ojeda Aciego
E-mail: aciego@ctima.uma.es

Title: **The Eighth International Conference on Computational Structures Technology**
Place and dates: Las Palmas de Gran Canaria (Spain), 13-15 September
Contact person: Rafael Montenegro
E-mail: rafa@dma.ulpgc.es

Title: **The Fifth International Conference on Engineering Computational Technology**
Place and dates: Las Palmas de Gran Canaria (Spain), 13-15 September
Contact person: Gustavo Montero
E-mail: gustavo@dma.ulpgc.es

Title: **Conference on Routing and Location 2006 (CORAL 2006)**
Place and dates: Puerto de la Cruz (Tenerife, Spain), 14-17 September
Contact person: Juan José Salazar
E-mail: jjsalaza@ull.es
Web: <http://webpages.ull.es/users/saderyl/>

Title: **International Workshop on Spatio-Temporal Modelling (METMA3)**
Place and dates: Pamplona (Spain), 27-29 September
Contact person: Lola Ugarte
E-mail: lola@unavarra.es

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