

ÖMG - DMV Congress 2013

18th ÖMG Congress and Annual DMV Meeting
University of Innsbruck, September 23 – 27, 2013



Österreichische
Mathematische
Gesellschaft



Welcome

The board of the Austrian Mathematical Society, the board of the German Mathematical Society and the local conference organizers welcome you to the joint ÖMG-DMV Congress in Innsbruck, September 23 – 27, 2013. The 18th ÖMG Congress is held jointly with the Annual Meeting of the DMV – continuing a long-standing tradition that the meetings are co-organized every four years.

The meeting takes place in the lecture halls of the University of Innsbruck, Campus “Technik”, Viktor-Franz-Hess-Haus, Technikerstr. 25 and ICT-Building, Technikerstr. 21a. The joint program starts on Monday, September 23, 2013, at 9:15 a.m. in the Auditorium B, Viktor-Franz-Hess-Haus, and continues until the evening of Thursday, September 26, with an additional day on Friday, September 27, featuring the special events: Teacher’s Day, Universities of the Applied Sciences Day, and – as a satellite conference – the 2nd Austrian Stochastics Day.

A public lecture is scheduled for Thursday, September 26, in Kaiser-Leopold-Saal of the Faculty of Catholic Theology, Karl-Rahner-Platz 1.

The conference also hosts a Student’s Conference taking place on Monday, September 23 and Tuesday, September 24.

The conference languages are English and German.

Sponsors

We thank our sponsors who provided generous support for the conference: The Rector and the Vice-Rector for Research of the University of Innsbruck, the Center for Italian Studies and France Focus of the University of Innsbruck, Innsbruck Tourism, Tiroler Sparkasse Bank AG Innsbruck, Raiffeisen-Landesbank Tirol AG, Springer-Verlag, Wiley, Österreichischer Bundesverlag, American Mathematical Society (AMS), Deutsche Vereinigung für Mathematische Logik und für Grundlagenforschung der Exakten Wissenschaften (DVMLG), Mathematisch-Physikalische Gesellschaft Innsbruck, Additive Soft- and Hardware, On-Line Encyclopedia of Integer Sequences (OEIS).



General Information

Conference Location

The conference takes place in the lecture halls of the University of Innsbruck, Campus “Technik”:

Victor-Franz-Hess-Haus, Technikerstraße 25
ICT-Building, Technikerstraße 21a
6020 Innsbruck
Austria

Conference Office

The conference office is located in the entrance hall of Victor-Franz-Hess-Haus. The opening hours are

Sunday,	September 22,	17:00 – 20:00,	
Monday,	September 23,	8:15 – 13:00,	15:00 – 18:30,
Tuesday,	September 24,	8:15 – 13:00,	
Wednesday,	September 25,	8:15 – 13:00,	
Thursday,	September 26,	8:15 – 13:00,	
Friday,	September 27,	8:45 – 11:00.	

E-Mail: `math-oemg-dmv-2013@uibk.ac.at`

Registration

Registration of participants takes place on

Sunday, September 22, 17:00 – 20:00,

Monday, September 23, 8:15 – 13:00, 15:00 – 18:30,

in the entrance hall of Victor-Franz-Hess-Haus as well as during the opening hours of the conference office from Monday – Friday.

Further information on the conference can be found at the conference webpage:

<https://math-oemg-dmv.2013.uibk.ac.at/>

Technical Equipment of the Lecture Halls

All rooms are equipped with PC and beamer. Acrobat Reader and Power Point are available. The lecture halls are equipped with large blackboards, in addition.

Internet Access during Conference

WLAN access will be available to conference participants. Access data can be found on a separate sheet in the conference bag.

Lunch and Dinner

There are various restaurants, pubs and snack shops in and around Campus “Technik”, in the close vicinity of the conference location. A list of restaurants is being handed to you with the conference folder.

Coffee Breaks

Coffee is served free of charge to participants on

Monday, 10:45 – 11:15 and 15:00 – 15:30,

Tuesday, 9:45 – 10:15 and 15:00 – 15:30,

Wednesday, 9:45 – 10:15,

Thursday, 9:45 – 10:15 and 15:00 – 15:30.

In addition, the two university cafeterias (“Mensa”, Technikerstraße 17 and “Tech-Cafe”, Technikerstraße 21a) serve coffee and snacks.

Local Transportation

Single, 4-way, 24-hours or weekly tickets for bus and tram can be purchased in the local tobacco shops, the ticket machines located at most bus stops, and the IVB Customers Center, Stainerstraße 2. Single tickets can also be bought directly from the bus driver. Please consult <http://www.ivb.at/> for detailed information.

To reach the conference location, take bus “O” from the city center to station “Technik”. In addition, bus “T” connects the campus with the southern parts of Innsbruck, bus “LK” with Kranebitten.

Information about the Congress Venue Innsbruck

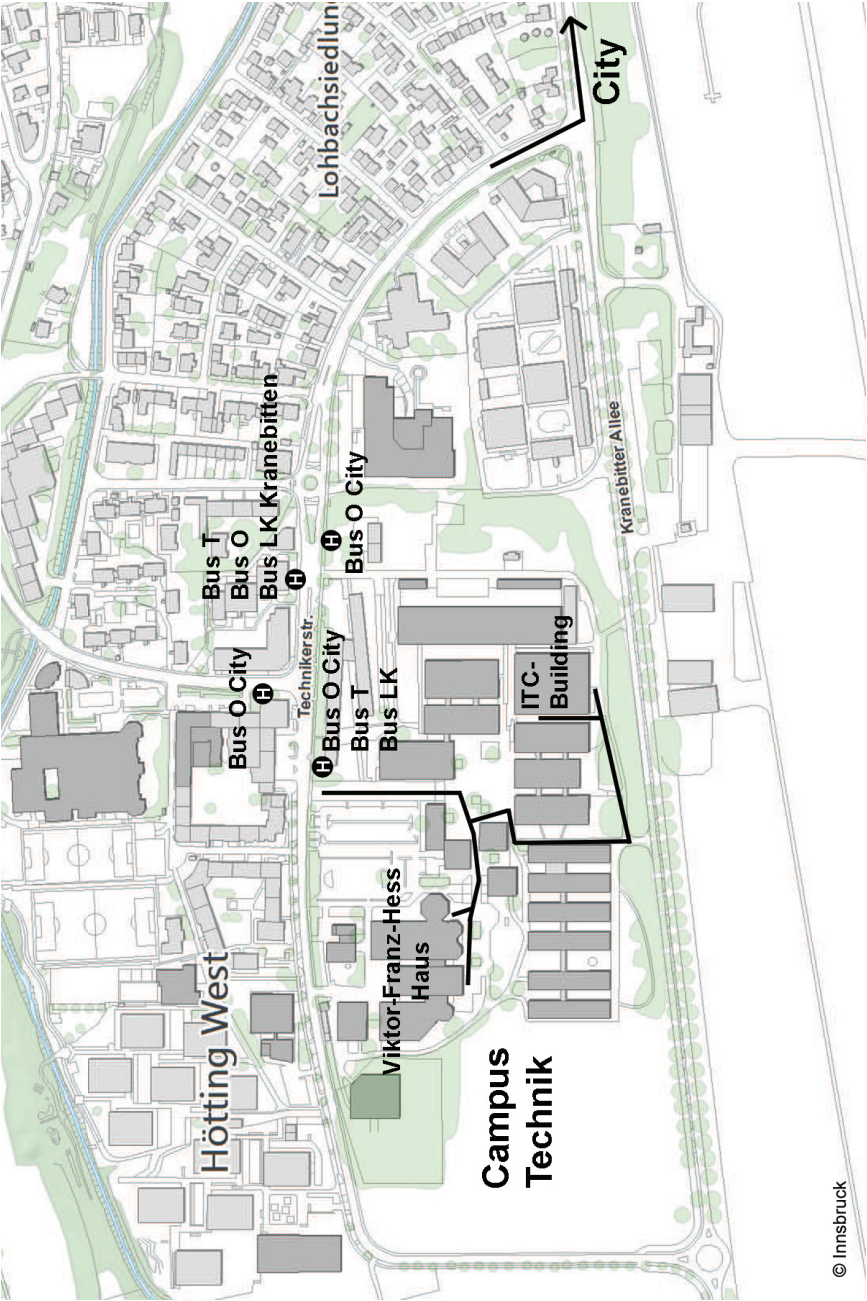
Innsbruck is the capital of Tyrol. For more information about its history and culture please visit the web page of Innsbruck Tourism:

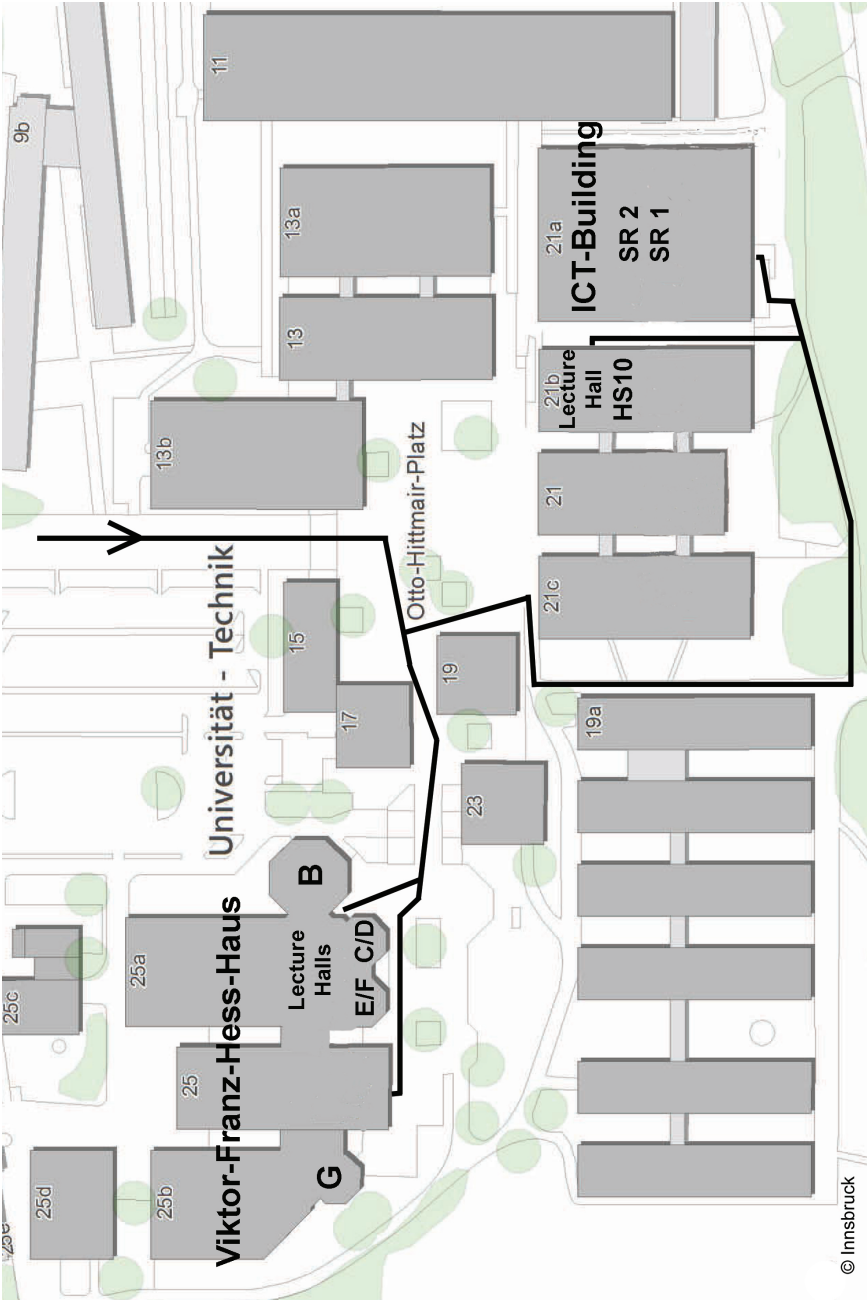
<http://www.innsbruck.at/>

Information about the University of Innsbruck

The Leopold-Franzens-University Innsbruck was founded in 1669. For more information about the university, please visit the web page:

<http://www.uibk.ac.at/universitaet/profil/>





Conference Organization and Committees

Program Committee

Michael Drmota (Wien)
Gerhard Larcher (Linz)
Peter Littelmann (Köln)
Michael Oberguggenberger (Innsbruck, chair)
Alexander Ostermann (Innsbruck)
Robert Tichy (Graz)
Katrín Wendland (Freiburg)

Local Organizing Committee

Anna Bombasaro (conference office)
Brigitte Eller (conference office)
Thomas Fetz
Manfred Husty
Wolfgang Kucher (system administrator)
Michael Oberguggenberger (chair)
Alexander Ostermann
Hans-Peter Schröcker

Coordinators of Sections

S01: Algebra, Logic and Set Theory

Martin Goldstern (Wien)

Heike Mildenberger (Freiburg)

S02: Discrete Mathematics and Theoretical Computer Science

Aart Middeldorp (Innsbruck)

Tibor Szabó (Berlin)

S03: Number Theory

Jörn Steuding (Würzburg)

Robert Tichy (Graz)

S04: Geometry and Topology

Manfred Husty (Innsbruck)

Thorsten Theobald (Frankfurt)

S05: Differential Equations and Applications

Peter Szmolyan (Wien)

Petra Wittbold (Duisburg-Essen)

S06: Functional Analysis, Real and Complex Analysis

Stephan Dahlke (Marburg)

Hans G. Feichtinger (Wien)

S07: Numerical Analysis and Scientific Computing

Michael Günther (Wuppertal)

Olaf Steinbach (Graz)

S08: Stochastics and Applications

Stefan Geiss (Innsbruck)

Peter Imkeller (Berlin)

S09: Mathematics in the Sciences and Technology

Ansgar Jüngel (Wien)

Caroline Lasser (München)

S10: History, Teaching and Popularization of Mathematics

Günter Törner (Duisburg-Essen)

Reinhard Winkler (Wien)

Organizers of Minisymposia

M1: Actuarial and Financial Mathematics

Nicole Bäuerle (Karlsruhe)

Uwe Schmock (Wien)

M2: Frames, High-dimensional Data Analysis, and Dimension Reduction

Martin Ehler (München)

M3: Mathematics of Planet Earth 2013

Gert-Martin Greuel (Kaiserslautern)

Andreas Matt (Berlin)

M4: Numbers, Graphs, Algebraic Structures and Probability – the Graz Doctoral School in Discrete Mathematics

Wolfgang Woess (Graz)

M5: Operator Theory

Wolfram Bauer (Göttingen)

Birgit Jacob (Wuppertal)

Marko Lindner (Hamburg-Harburg)

Carsten Trunk (Ilmenau)

M6: Problems in Information and Communication in Mathematics

Wolfgang Dalitz (Berlin)

Wolfram Sperber (Karlsruhe)

M7: Spezifika der mathematischen Anfangsausbildung für Lehramtsstudierende

Günter Törner (Duisburg-Essen)

Reinhard Winkler (Wien)

Teachers' Day

Hans Humenberger (Wien)

Franz Pauer (Innsbruck)

Universities of the Applied Sciences Day

Susanne Teschl (Wien)

Karl Unterkofler (Dornbirn)

Satellite Conference: 2nd Austrian Stochastics Day

Evelyn Buckwar (Linz)

Christel Geiss (Innsbruck)

Erika Hausenblas (Leoben)

Students' Conference

Peter Eichelsbacher (Bochum)

Gerhard Kirchner (Innsbruck)

Conference Opening

Conference Opening Ceremony

Monday, September 23, 9:15 – 9:45, Auditorium B, Viktor-Franz-Hess-Haus.

Inaugural addresses will be given by

Prof. Jürg Kramer,
President of the German Mathematical Society,

Prof. Michael Drmota,
President of the Austrian Mathematical Society,

Prof. Sabine Schindler,
Vice-Rector for Research, University of Innsbruck.

The scientific program starts on Monday, September 23 at 9:45 with the plenary talk of Michael Struwe.

Evening Reception

The official evening reception takes place on Monday, September 23, 19:00, in the lobby of the ICT-Building, Technikerstraße 21a.

Meetings and Public Program

General Assembly, ÖMG

The General Assembly of the Austrian Mathematical Society will convene on Tuesday, September 24, 2013, at 18:30 in the Auditorium G. Members of the Austrian Mathematical Society are invited to participate.

General Assembly, DMV

The General Assembly of the German Mathematical Society will convene on Tuesday, September 24, 2013, at 18:30 in the Auditorium C. Members of the German Mathematical Society are invited to participate.

Award Ceremony, Reception by Springer-Verlag

The prizes for the winners of the Students' Conference will be awarded on Tuesday, September 24 at 12:30 in the lobby in front of Auditorium B, Victor-Franz-Hess-Haus. The event is followed by a reception of Springer-Verlag in honor of the award winners.

Reception with Cédric Villani by France Focus

France Focus of the University of Innsbruck invites the participants of the congress to a reception on Thursday, September 26 at 17:00 in the historical hall of the palais "Claudiana", Herzog-Friedrich-Straße 3, dedicated to Cédric Villani. The event "Théorème vivant" will feature an interview of Cédric Villani by Walter Schachermayer.

Film Presentation

Within the program of Section 10, History, Teaching and Popularization of Mathematics, Agnes Handwerk and Harrie Willems will show their movie “Late Style – Yuri I. Manin Looking Back on a Life in Mathematics” on Tuesday, September 24 at 17:00, followed by reflections on the making of the film, in Auditorium E.

Public Lecture

Participants of the conference are invited to attend the public lecture on Thursday September 26, at 19:00 in Kaiser-Leopold-Saal, located in the Faculty of Catholic Theology, Karl-Rahner-Platz 1:

Karl Sigmund (Wien)

Kurt Gödel und der Wiener Kreis (Kurt Gödel and the Vienna Circle)

Kurt Gödel, einer der wichtigsten Denker des zwanzigsten Jahrhunderts, verbrachte nur fünfzehn Jahre in Wien. Der reich gebildete Vortrag befasst sich mit Gödels glänzendem Aufstieg, seiner epochalen Entdeckung der Unvollständigkeitssätze, der wirren Zeit zwischen Hitlers Machtergreifung in Deutschland und dem “Anschluß” Österreichs, und Gödels verzweifelten Bemühungen, dem nationalsozialistischen Wien zu entkommen. Besonderes Augenmerk gilt Gödels gespaltenem Verhältnis zu den Mathematikern und Philosophen des Wiener Kreises.

The lecture is open to the general public and will be given in German.

Expositions

Exposition tables/stands will be presented during the conference by:

- Springer-Verlag
- Wiley
- Zentralblatt MATH
- Österreichischer Bundesverlag (Friday only)
- Austrian Mathematical Society
- German Mathematical Society
- American Mathematical Society
- Additive Soft- and Hardware
- On-Line Encyclopedia of Integer Sequences

Additional Program

Students' Conference

The Students' Conference takes place on September 23 – 24. It starts on Monday, September 23 at 15:15 and ends with an award ceremony on Tuesday, September 24 at 12:30 in Victor-Franz-Hess-Haus.

Teachers' Day

The Teachers' Day takes place on Friday, September 27, 9:15 – 17:00, in the lecture halls D and F in Victor-Franz-Hess-Haus.

Universities of the Applied Sciences Day

The Universities of the Applied Sciences Day takes place on Friday, September 27, 10:00 – 16:30, in SR1/2, ICT-Building.

Satellite Conference: 2nd Austrian Stochastics Day

The 2nd Austrian Stochastics Day takes place on Friday, September 27, in the lecture halls C and E in Victor-Franz-Hess-Haus.

More information about the additional program is available on the congress home-page: <https://math-oemg-dmv.2013.uibk.ac.at/>

Social Program

Evening Reception

The official evening reception takes place on Monday, September 23, 19:00, in the lobby of the ICT-Building, Technikerstr. 21a.

Conference Dinner

Every participant of the conference is invited to the Conference Dinner on Wednesday, September 25 at 19:00. Arrival starts at 18:00 with an aperitif, accompanied by Tyrolean music. The conference dinner takes place in Restaurant Villa Blanka, Weiherburggasse 31.

Participants of the conference excursions will be delivered directly to the restaurant at the end of the excursion.

The restaurant can be reached on foot (25 minutes from the city center), by bus “W” (departing at Marktplatz) or by using the funicular “Hungerburgbahn” from “Congress Innsbruck”, Rennweg 3, to station “Alpenzoo”.

After the dinner, transportation back to the city center will be arranged by bus.

Conference Excursion

The conference excursion takes place in the afternoon of Wednesday, September 25. Departure is from Campus “Technik” at 14:00, return to the city/conference dinner by 18:00.

The excursion takes us to Stift Stams, Zisterzienserabtei.

A bus will take us to the village of Stams. After a tour through the premises of the abbey we will have the chance to participate in a Schnaps tasting from the abbey’s own distillery. After that we return to Innsbruck right on time for the conference dinner.

Please check your registration and find additional current information at the conference desk.

Further Excursions

In the following you will find a list of afternoon excursions offered throughout the week. The excursions will take place parallel to the scientific program.

- Monday, September 23: The Tyrolean Panorama and the Kaiserjäger Museum – the Myth of Tyrol.

The Tyrolean Panorama was opened in 2011 and invites the visitor to a time travel through the most important stations of Tyrolean history. We start from the center of Innsbruck by tram, followed by a 20 minutes’ walk to Bergisel where we can enjoy a marvelous view over Innsbruck. We devote two hours to the Panorama and the Kaiserjäger museum.

- Tuesday, September 24: Kaiserliche Hofburg Innsbruck.

The Kaiserliche Hofburg used to be the residence of the Dukes of Tyrol. Already enlarged under the emperor Maximilian I, empress Maria Theresia transformed it into its final form as a Baroque palace. After a two-hour visit of the palace you will have the option to visit the Viennese style Café Sacher (not included).

- Thursday, September 26: Innsbruck Tour – Explore Innsbruck on Foot.

On this two-hour tour through the narrow streets of the old town we visit the most famous sights of Innsbruck, including the Golden Roof.