

Registration and fees

Registration fee	registration fee payment by bank transfer by 31 July 2012	late registration fee payment in cash on-site
Student registration fee	130 Euro	150 Euro
	50 Euro	60 Euro

- Online registration is possible on the conference web pages.
- On-site registration will be possible, but is not encouraged.
- We encourage payment by bank transfer by 31 July 2012, see the conference web site for detailed information. Unfortunately, we cannot accept credit cards.
- When registering as a student, please send a confirmation of your student status to the organizers by 31 July 2012.
- In the case of cancellation before 1 September 2012, seventy percent of the fee will be refunded. No refund can be made after this date.

Accommodation

The City of Halle offers a wealth of accommodation for every budget.

Best Western Grand City Hotel Halle

The Best Western Grand City Hotel Halle offers special rates for participants of NUMDIFF-13. These rates include breakfast and with your hotel pass you can use the public transport within Halle for free. Please make your reservation directly at the hotel before 10 August 2012.

Youth Hostel

You can also book accommodation in the Youth hostel in Halle (August-Bebel-Str. 48A).

Further information is available at the conference web site.

Social programme

An **excursion** is planned for Wednesday, 12 September 2012, in the afternoon.

The **conference dinner** is held at the Hotel "Best Western Grand City Hotel Halle" on Thursday, 13 September, starting at 7 p.m.

NUMDIFF - 13

Numerical Solution of Differential and Differential- Algebraic Equations

10 - 14 September 2012
Halle (Saale), Germany



organized by

**Martin-Luther-University
Halle-Wittenberg**

**Center for Mathematics and
Computer Science, Amsterdam**



Topics

The conference is devoted to all numerical aspects of differential equations and differential-algebraic equations.

Plenary Lectures

Peter Betsch (Siegen)
Sergio Blanes (Valencia)
Harald van Brummelen (Eindhoven)
Kevin Burrage (Brisbane)
Luca Dieci (Atlanta)
Erwan Faou (Bruz)
Ernst Hairer (Genève)
Anne Kværnø (Trondheim)
Volker Mehrmann (Berlin)
Juan Ignacio Montijano (Zaragoza)
Thomas Sonar (Braunschweig)
Caren Tischendorf (Köln)

Minisymposia

- *Positivity preservation for PDEs*
David Ketcheson (Thuwal), Zoltan Horvath (Győr)
- *Computational models, uncertainty and data assimilation*
Sebastian Reich (Potsdam)
- *Numerical methods for large stiff systems*
Severiano González-Pinto (La Laguna),
Helmut Podhaisky (Halle)
- *Numerical methods for highly oscillatory problems*
M^a Paz Calvo (Valladolid)

Contributed Papers

Participants are invited to present a 20 minute research talk. Proceedings of NUMDIFF-13 will be published as a special issue of a peer-reviewed international journal.

Scope

The Institute of Mathematics of the Martin-Luther-University Halle-Wittenberg and CWI, the Center for Mathematics and Computer Science in Amsterdam, organize the 13th Seminar "NUMDIFF" on Numerical Solution of Differential and Differential-Algebraic Equations.

The series of NUMDIFF seminars started at Martin-Luther-University in 1981 and had a traditional focus on theory, practical aspects and applications of numerical solution methods for ordinary differential equations. Since the 1990s, differential-algebraic equations, (time dependent) partial differential equations and stochastic differential equations have become more and more important to the NUMDIFF audience.

The NUMDIFF seminars offer a platform for the discussion of recent results and new ideas in the field of numerical solution methods for differential and differential-algebraic equations that brings together well recognized experts and young researchers from Europe and all over the world.

Deadlines

31 May 2012

Registration and abstract submission for participants who plan to give a talk (contributed talks, talks in minisymposia, and plenary talks).

31 July 2012

Payment of early registration fee by bank transfer.

10 August 2012

Special conference rate at the Best Western Grand CityHotel Halle.

Venue

The Martin-Luther-University Halle-Wittenberg, with a history of more than 500 years, is a university in the central German industrial region of Halle-Leipzig. Today more than 20000 students are enrolled in courses offered by 9 faculties. Historic and also modern buildings of the university are spread out over the city centre, but most science and technology institutes are concentrated at the Weinberg Campus, where also the conference will take place. This campus can be reached in 10 minutes by tram from the city centre and is embedded in the Weinberg Campus Technology Park, one of the largest of its kind in Eastern Germany.

Halle is well suited to host an international event like NUMDIFF. The airport Leipzig-Halle (LEJ) is close (30 km) and access by train and car is convenient. The conference location Weinberg Campus can be reached by public transport (tram) and by car.

Chairmen and Organisation

M. Arnold, H. Podhaisky, R. Weiner (Halle)
J. Frank, W. Hundsdorfer (Amsterdam)

Contact

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