Conference on Nonlinear Analysis

Mathematics as a Guide to the
Understanding of Applied Nonlinear Problems

January 6 to 10, 2002, Kloster Irsee, Germany

Organized by:

Hansjörg Kielhöfer	Alexander Mielke	Jürgen Scheurle
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Overview

Analysis plays a crucial role in the mathematical modelling of nonlinear problems arising in applications. This conference plans to intensify the use of analytical techniques for the understanding of nonlinear phenomena by bringing together leading experts from several fields of analysis. The following topics will be covered: bifurcation and instability, dynamics as well as spatial dynamics, nonlinear waves, fronts, and pulses, fluid and solid mechanics, Hamiltonian and Lagrangian dynamics, multiscale problems.

This conference is organized in honor of Klaus Kirchgässner on the occasion of his 70th birthday. A special dinner will be arranged on Tuesday evening.

Schedule

Arrival:	Sunday afternoon, January 6, 2002,
Opening:	Monday morning, January 7, 2002,
Conference Dinner:	Tuesday evening, January 8, 2002,
Closing:	Thursday evening, January 10, 2002,
Departure:	Friday morning, January 11, 2002.

For future updates of this announcement note the following internet–address:

`http://www.mathematik.uni-stuttgart.de/mathA/lst1/mielke/cna02/`

Lectures

More than 20 of our invited main speakers (cf. our 1st Announcement) have agreed to give a lecture of 40 minutes. Consequently there is only some limited time left for contributed lectures. In order to avoid parallel sessions and to allow 20 minutes for each talk we have to restrict the total number of lectures.

All participants who want to give a talk, including the invited main speakers, are asked to give us the title not later than September 30, 2001. After this date we will inform you about the programme of the conference.

Dedicated Papers

Those who dedicate a paper to Klaus Kirchgässner are asked to send a preprint to Alexander Mielke (electronically, if possible) not later than November 15, 2001. A collection of all dedicated preprints will be presented to Klaus Kirchgässner at the conference.

Contact: Alexander Mielke; e-mail: `mielke@mathematik.uni-stuttgart.de`

Location, costs and travel

Location:

The conference will be held at Kloster Irsee which is a beautiful monastery in baroque style. It is located in Southern Germany about 70 kilometers southwest of München[1]. It provides nice conference facilities and is able to host about 70 participants. For further information go to the Kloster's Website:

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`http://www.kloster-irsee.de`

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Costs:

The Conference Fee is 50 Euro (or 100 DM), which includes the costs for the special dinner on Tuesday evening. The **payment** can be effected via

- Check or International Money Order made payable to "CNA 2002, Kloster Irsee" and sent to Hansjörg Kielhöfer

- Bank Transfer to "Hansjörg Kielhöfer, CNA 2002, Account No. 49 25 855, Deutsche Bank 24, BLZ 720 700 24"

- Cash or Check at the registration at Kloster Irsee. In this case we charge 60 Euro (or 120 DM).

Due to considerably different bank fees, please choose the second possibility. The deadline is October 31, 2001.

The total price for accommodation and meals is 149 DM for full board per person and day (not including drinks at the meals). The corresponding amount has to be paid when checking out.

Cancellations should be addressed to H. Kielhöfer in written form.

Travel:

Travel by Car: 1) From Ulm by Autobahn A7 direction Kempten and than from Memmingen by Autobahn A96 direction München. **2) From München** by Autobahn A96. Take exit "Kaufbeuren". Kloster Irsee is situated 7 kilometers north of Kaufbeuren.

Travel by Train: From the **Main Station of München** (Hauptbahnhof, Hbf) there are trains leaving for Kaufbeuren approximately every 30 minutes. A train ticket costs about 25,– DM. Coming from Frankfurt or Stuttgart one might change in Augsburg for trains going to Kaufbeuren. Arriving at Kaufbeuren, please take a taxi to reach Kloster Irsee.

Travel by Plane: The closest airport is **München airport**. From there take the Airport Rapid Transit S1 or S8 to the Main Station of München (approx. 44 minutes) and then follow the inscructions for travel by train.

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[1] München = Munich

List of Participants

Alexander, James	Cleveland	Kirchgässner, Klaus	Stuttgart
Antman, Stuart S.	College Park	Kirchgraber, Urs	Zürich
Ball, John	Oxford	Knops, Robin J.	Edinburgh
Batt, Jürgen	München	Kruse, Hans-Peter	München
Bemelmans, Josef	Aachen	Kümmerer, Burkhard	Stuttgart
Bridges, Tom	Surrey	Küpper, Tassilo	Köln
Busse, Friedrich	Bayreuth	Lauterbach, Reiner	Hamburg
Chossat, Pascal	Nice	Lombardi, Eric	Nice
Ciarlet, Philippe	Paris	Maier-Paape, Stanislaus	Augsburg
Crandall, Michael G.	Santa Barbara	Mallet-Paret, John	Providence
Dangelmayr, Gerhard	Fort Collins	Marsden, Jerrold E.	Pasadena
Dellnitz, Michael	Paderborn	Mawhin, Jean	Louvain–Neuve
Doelman, Arjen	Amsterdam	Mennicken, Reinhard	Regensburg
Eckmann, Jean-Pierre	Genève	Mielke, Alexander	Stuttgart
Efendiev, Messoud	Stuttgart	Müller, Stefan	Leipzig
Fiedler, Bernold	Berlin	Otto, Felix	Bonn
Fife, Paul	Utah	Rabinowitz, Paul	Madison
Gajewski, Herbert	Berlin	Raugel, Geneviève	Paris
Golubitsky, Martin	Houston	Renardy, Michael	Blacksburgh
Groves, Mark D.	Loughborough	Sandstede, Björn	Columbus
Hadeler, Karl Peter	Tübingen	Scheel, Arnd	Berlin
Hale, Jack K.	Atlanta	Scheurle, Jürgen	München
Haragus, Mariana	Bordeaux	Schmitt, Klaus	Salt Lake City
Healey, Timothy J.	Ithaca	Schneider, Guido	Bayreuth
Herrmann, Hans	Stuttgart	Stuart, Charles A.	Lausanne
Hesse, Christian	Stuttgart	Sun, Shu-Min	Blacksburg
Holm, Darryl D.	Los Alamos	Témam, Roger	Paris
Holmes, Philip J.	Princeton	Toland, John F.	Bath
Iooss, Gérard	Nice	Vanderbauwhede, Andre	Gent
Jäger, Willi	Heidelberg	von Wahl, Wolf	Bayreuth
Jones, Christopher K.R.T.	Providence	Walther, Hans-Otto	Giessen
Joseph, Daniel D.	Minneapolis	Wanner, Thomas	Baltimore
Keller, Herbert B.	Pasadena	Wendland, Wolfgang L.	Stuttgart
Keyfitz, Barbara L.	Houston	Wulff, Claudia	Berlin
Kielhöfer, Hansjörg	Augsburg		

Contact: Hansjörg Kielhöfer; e-mail: `hansjoerg.kielhoefer@math.uni-augsburg.de`

14 May 2001