



INVITATION to the Summer School

Analysis and Applications of Partial Differential Equations

Graz, Austria, September 08 - 12, 2014

At **Bildungshaus Mariatrost** <http://www.mariatrost.at/>

Host:

International Research Training Group IGDK 1754
"Optimization and Numerical Analysis for Partial Differential Equations with
Nonsmooth Structures" (KFU Graz, TU Graz, TU Munich, Bundeswehr Uni Munich),

jointly together with the Doctoral School DK
"Dissipation and Dispersion in Nonlinear PDEs" (TU Vienna, Uni Vienna).

Local organisers: Klemens Fellner, Tanja Weiss (University of Graz)

Main courses:

Takashi Suzuki (University of Osaka)
Lotka-Volterra systems: thermodynamics of multi-component models in biology

Michel Pierre (ENS Rennes, IRMAR Rennes)
Evolution reaction-diffusion systems with positivity and mass control

Hasnaa Zidani (ENSTA ParisTech)
Optimal control and reachability analysis

Gerald Teschl (University of Vienna)
Dispersive estimates for Schroedinger equations and Applications

Special opportunities will be given to talks of young researchers.

Registration:

The registration for the summer school is free under tanja.weiss@uni-graz.at.
The participation is covered for members of the two doctoral programs.
For external participants the costs for full board range from (49-54 EUR per day,
single/double room).

Application deadline: 30 June 2014.

Webpage of the workshop:

<http://igdk1754.ma.tum.de/IGDK1754/SummerSchool2014>

Practical Information

Location:

Bildungshaus Mariatrost
Kirchbergstraße 18
A-8044 Graz

Tel: +43 (0)316/39 11 31

Webpage: <http://www.mariatrost.at/>

Accommodation:

The *Bildungshaus Mariatrost* offers modern seminar rooms, 34 single rooms, 6 double rooms and 2 multi-bed rooms incl. shower/WC.

Full board with emphasis on regional cuisine and environmental sustainability is included. For special requests please contact tanja.weiss@uni-graz.at.

How to get there:

By Car: Coming from the highway take exit *Graz-Nord* or *Graz-Ost*, direction *Zentrum*. Follow the signs WEIZ and WALLFAHRTSKIRCHE MARIATROST.

Public Transport: From the train station *Graz Hbf.* take the **tram no. 1** to ***Mariatrost*** (final stop). The walking distance from the tram stop to the *Bildungshaus* is about 7 min uphill (not suited for people with limited mobility).

