Summer School 2011
for Master- and PhD-Students
July 24-31, 2011

Julius-Maximilians-Universität Würzburg
Bavaria • Germany

Recent Trends in Quantum Control and Quantum Information Theory

Department of Mathematics

Lecturers: Pierre Rouchon École des Mines, Paris, France
           Michael Wolf Technische Universität, München, Germany

Organizers: Uwe Helmke, Gunther Dirr

www.mathematik.uni-wuerzburg.de/summerschool

registration and fees, scholarships, schedule, program, accommodation
contact: sommerschule@mathematik.uni-wuerzburg.de

scholarships available
Apply and register online till May 20, 2011
Topics
• Non-linear control theory and Lie group techniques in Quantum Control, controlled Liouville/von Neumann and Lindblad/Kossakowski master equations, ...
• Mathematical foundations of Quantum Information Theory, operator-valued measures, completely positive operators, quantum channel capacities, ...

Audience
• Master and PhD students in Mathematics or Theoretical Physics (Postdocs or advanced Bachelor students on an individual basis)

Venue and Accommodation
• Lectures will take place at the Department of Mathematics south to the city centre. Accommodation will be provided nearby in walking distance.
• There are every ten minutes buses to the city centre and to the railway station (10 minutes to the city centre, 15 minutes to the railway station).

Scholarships/Fees
• Enrollment 200 € (including local public transport)
• Accommodation 240 € (6 nights including breakfast)
• Foreign students may apply for a scholarship to cover travelling, accommodation and enrollment.

Deadlines/Schedule
• Application online till May 20th
• Application for scholarships online till May 15th
• Check in, registration July 24th
• Lectures, workshops July 25th till 30th
• Farewell party July 31st

Social events
• Sightseeing (historical centre of Würzburg — world cultural heritage)
• Wine tasting
• Excursion
• Barbecue

e-mail sommerschule@mathematik.uni-wuerzburg.de
phone: +49 931 31-85010
www.mathematik.uni-wuerzburg.de/summerschool