

# Schedule

Arbeitsbereich  
Technische Mathematik

t.math



Saturday, July 2

**HSB 8**

09:00–09:40 **Tijana Levajković**

*Stochastic operator differential algebraic equations*

09:40–10:20 **Jelena Aleksić**

*Compactness in Lebesgue and Sobolev spaces. Wave front set of a sequence and microlocal defect distributions*

10:20–10:50 Coffee break

10:50–11:30 **Hans Vernaev**

*Microlocal analysis in generalized function algebras*

11:30–12:10 **Paolo Giordano**

*Some ideas on generalized smooth functions*

14:00–14:40 **Lorenzo Luperi Baglini**

*Picard-Lindelöf Theorems for GSF*

14:40 -15:20 **Snežana Gordić**

*Generalized Stochastic Processes in Algebras of Generalized Functions*

15:20–16:00 **Johannes Schwaighofer**

*The transport equation with white noise as coefficient*

16:00–16:40 **Michael Oberguggenberger**

*Transport in a stochastic Goupillaud medium*

Sunday, July 3

10:00–15:00 Excursion and lunch

# WING 2016

Welcome to Innsbruck!

# Schedule

**Tuesday, June 28**

**HS 11**

16:00–17:00 **Teodor Atanacković**

*Viscoelasticity with fractional derivatives of real and complex order*

**Thursday, June 30**

**HSB 8**

09:15–09:30 Opening and Welcome

09:30–10:10 **Norbert Ortner**

*On Cauchy's integral formula*

10:10–10:40 Coffee break

10:40–11:20 **Christoph Adam**

*Reliability assessment of railway bridges for high-speed trains considering the effects of seasonal temperature changes*

11:20–12:00 **Dušan Zorica**

*Non-locality and viscoelasticity of fractional order in the stability analysis of rods*

**HSB 7**

14:00–14:40 **Michael Grosser**

*Full and special Colombeau algebras*

14:40–15:20 **Nenad Teofanov**

*New types of wave front sets*

15:20–16:00 **Dora Seleši**

*The Hermite function expansion of Brownian motion*

16:00–16:40 **Andreas Debrouwere**

*Abstract Moment Problems and their Applications*

16:30–17:15 Coffee break

**HSB 2**

17:15–18:15 **Stevan Pilipović**

*Wave front sets below analyticity*

19:00 Conference Dinner in Restaurant Weißes Rössl

# Schedule

**Friday, July 1**

**HSB 8**

09:00–09:40 **Michael Kunzinger**

*Extremal curves for low-regularity metrics*

09:40–10:20 **Eduarg Nigsch**

*Restriction to submanifolds in full diffeomorphism invariant Colombeau algebras*

10:20–10:50 Coffee break

10:50–11:30 **Alexander Ostermann**

*Splitting methods in time integration*

11:30–12:10 **Nataša Krejić**

*Inexact Restoration approach for minimization with inexact evaluation of the objective function*

14:00–14:40 **Lukas Neumann**

*Radially symmetric shadow wave solutions to the system of pressureless gas dynamics*

14:40 -15:20 **Sanja Konjik**

*Fractional derivatives: From generalization to approximation and vice versa*

15:20–16:00 **Danijela Rajter-Čirić**

*Generalized solution operators and inhomogeneous fractional evolution equations*

16:00–16:30 Coffee break

16:30–17:10 **Ljubica Oparnica**

*Space-time fractional Zener wave equation: existence and uniqueness of the solution, and microlocal analysis*

17:10–17:50 **Dorde Vučković**

*Rotation invariant ultradistributions*