

TUESDAY, SEPTEMBER 4, 2007

PLENARY SESSIONS

Hall A

SESSION 1

Chairman: Hikosaburo Komatsu

9:00-9:40 **Dietmar Vogt**, University of Wuppertal

*Partial differential operators in spaces of real analytic functions:
right inverses and solutions with parameters*

9:50-10:30 **Boris Mityagin**, Ohio State University, Columbus

Schrödinger and Hill operators with singular H^{-1} potentials

10:30-11:00 **Coffee break**

SESSION 2

Chairman: Dohan Kim

11:00-11:40 **Jan Kisyński**, Polish Academy of Sciences, Warsaw

*Regular initial values for linear Cauchy problem in a Banach
space*

11:50-12:30 **Stevan Pilipović**, University of Novi Sad

Convoluting operator families and abstract Cauchy problems

13:00-14:00 **Lunch**

TUESDAY, SEPTEMBER 4, 2007
SECTION SESSIONS

SECTION A

Hall A

SESSION 1

Chairman: Michael Grosser

15:00-15:30 **Dimitris Scarpalézos**, University of Paris 7

Analytic and real analytic generalized functions

15:35-16:05 **Maximilian Hasler**, University of Antilles-Guyane, Pointe-à-Pitre

Asymptotic extensions of topological algebras

16:10-16:40 **Hans Vernaeve**, University of Innsbruck

Algebra homomorphisms of Colombeau generalized functions

16:45-17:00 **Shantanu Dave**, University of Vienna

Global generalized functions on compact manifolds

17:00-17:15 **Coffee break**

TUESDAY, SEPTEMBER 4, 2007

SECTION A

Hall A

SESSION 2

Chairman: Piotr Mikusiński

17:15-17:45 **Grzegorz Łysik**, Polish Academy of Sciences, Warsaw

The Mellin transformation of exponentially increasing functions

17:50-18:20 **Oleg Łopuszański**, University of Rzeszów

An operator calculus for generators of C_0 -semigroups in algebra of polynomials on the space of ultradifferential functions on semi-axis

18:25-18:40 **Katarzyna Grasela**, Cracow University of Technology

The algebra of polynomials on the space of ultradifferentiable functions

18:40-18:55 **Sławomir Michalik**, Cardinal Stefan Wyszyński University, Warsaw

Laplace ultradistributions supported by a cone and the Paley-Wiener type theorem

19:15 **Banquet**

TUESDAY, SEPTEMBER 4, 2007

SECTION B

Hall B

SESSION 1

Chairman: Oleg Łopuszański

15:00-15:30 **Anatolij Antonevich**, Belarusian State University, Minsk

On the equations with a delta-shaped coefficients

15:35-16:05 **Yauheni Radyna**, Belarusian State University, Minsk

Generalized functions on the field of p -adic numbers and on the ring of adèles

16:10-16:40 **Dennis Nemzer**, California State University, Stanislaus

Trigonometric series which vanish on $\sigma < |x| < 2\pi - \sigma$

16:45-17:00 **Masaharu Kobayashi**, Tokyo University of Science Kagurazaka

Modulation spaces $M^{p,q}$ for $0 < p, q \leq \infty$

17:00-17:15 **Coffee break**

TUESDAY, SEPTEMBER 4, 2007

SECTION B

Hall B

SESSION 2

Chairman: Rudolf Gorenflo

17:15-17:45 **Mirjana Stojanović**, University of Novi Sad

Schrödinger equation with nonlinear potential and singular initial data

17:50-18:20 **Arpad Takači**, University of Novi Sad

Solving mathematical models of the viscoelastic bar

18:25-18:40 **Djurdjica Takači**, University of Novi Sad

Approximate solutions of a class of nonlinear operator differential equation

18:40-18:55 **Andrzej Borys**, University of Technology and Life Sciences,

Volterra series and multiplication of Dirac impulses

19:15 **Banquet**