



Stefan Banach International Mathematical Center
Institute of Mathematics, Polish Academy of Sciences
Institute of Mathematics, University of Rzeszów



The International Conference on Generalized Functions GF 07

LINEAR AND NON-LINEAR THEORY OF GENERALIZED FUNCTIONS AND ITS APPLICATIONS

Będlewo, September 2-8, 2007

Main topics

- Convolution, product, integral transforms, asymptotic expansions of g. f.
- Colombeau g. f. and applications
- Linear and non-linear PDE; equations of mathematical physics
- Pseudodifferential operators, microlocal analysis
- Boundary values in ultradistribution and hyperfunction spaces
- Mikusiński operators & other algebraic theories of g. f., fractional calculus
- Infinite dimensional complex analysis.
- Generalized stochastic processes
- Applications in probability & physics

Invited speakers

S.Y. Chung, J.F. Colombeau, M. de Hoop,
P. Domański, R. Estrada, T. Gramchev,
J. Kisyński, H. Komatsu, M. Kunzinger,
M. Langenbruch, J.A. Marti, B. Mityagin,
M. Oberguggenberger, S. Pilipović, L. Rodino,
J. Toft, J.A. Vickers, D. Vogt, M.W. Wong

Scientific Committee

P. Antosik, J.F. Colombeau, M. Grosser,
A. Kamiński, D. Kim, H. Komatsu,
J.A. Marti, L. Rodino, C. Ryll-Nardzewski,
V.S. Vladimirov, M.W. Wong

Organizing Committee

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O. Łopuszański, University of Rzeszów
G. Łysik, Polish Academy of Sciences
M. Oberguggenberger, University of Innsbruck
S. Pilipović, University of Novi Sad

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Local Organizers (University of Rzeszów)

A. Dadej, T. Gwóźdź, K. Halik,
S. Minczewska-Kamińska,
S. Sorek, J. Szczęsny

