

It is hard to overestimate the importance of spectral analysis of self-adjoint operators due to important applications in quantum mechanics. Recent developments in nano-physics opened a completely new chapter in this area. Important developments are related with random operators and differential operators on families of connected manifolds. Surveys of the state-of-art in the above fields are planned.

The scope of this conference is rather vast and covers such fields as: random and quasi-periodic differential operators, orthogonal polynomials, Jacobi and CMV matrices, and quantum graphs. In particular spectral properties of operators from various domains of mathematical physics will be discussed.

Recent scientific achievements of speakers and diversity of participants are considered as the highlights of the conference. Special sessions for young scientists presenting their recent results will be organized.

This is the fourth conference of the OTAMP series. The previous ones were organized in 2002 (Bedlewo), 2004 (Bedlewo), and 2006 (Lund).

RESEARCH CONFERENCES

ESF Mathematics Conference in Poland
in partnership with MSHE and the Institute
of Mathematics (PAN)

Operator Theory, Analysis and Mathematical Physics

Mathematical Research and Conference Center,
Bedlewo ■ Poland
15-22 June 2008

With support from TODEQ Programme

Chair: Jan Janas, Polish Academy of Sciences, PL
Co-Chairs: Pavel Kurasov, Lund Institute of Technology, SE
Ari Laptev, Royal Institute of Technology, SE
Serguei Naboko, St. Petersburg State University, RU



Invited Speakers will include

Horst Behncke, Osnabruck U., DE
Anne Boutet de Monvel, Université Paris
Diderot Paris 7, FR
David Damanik, Rice U., US
Rafael Del Rio, Universidad Nacional Autónoma
de Mexico, MX
Des Evans, Cardiff U., UK
Pavel Exner, Doppler Institute, CZ
Rupert Frank, Royal Institute of Technology, SE
Vladimir Gerogescu, University of Cergy-
Pontoise 2, FR
Fritz Gesztesy, Missouri U., US
Daphne Gilbert, Dublin Institute of
Technology, IE
Yulia Karpeshina, University of Alabama at
Birmingham, US
Bruno Nachtergaele, University of California
Davis, US

Vladimir Peller, Michigan State U., US
Roma Romanov, St. Petersburg State U.,
RU
Grigori Rozenblioum, Chalmers University
of Technology, SE
Andrei Shkalikov, Moscow State U., RU
Peter Stollmann, Technische Universität
Chemnitz, DE
Gunter Stolz, University of Alabama at
Birmingham, US
Ryszard Szwarc, Wrocław U., PL
Gerald Teschl, Vienna U., AT
Yurij Tomilov, Torun University, PL
Dimitri Yafaev, University of Rennes, FR
Peter Yuditskii, J. Kepler University, AT

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