Third Saint-Petersburg Conference in Spectral Theory
dedicated to the memory of M.Sh.Birman
Euler Institute, Saint-Petersburg, Russia

July 1-6, 2011

PRELIMINARY PROGRAMME

FRIDAY 1 July:

9:30–10:00: REGISTRATION

10:00–11:00: Gerd Grubb (Copenhagen University)
Spectral estimates of resolvent differences

COFFEE BREAK

11:30–12:30: Leonid Friedlander (University of Arizona)
Determinants of elliptic operators

LUNCH

14:30–15:30: Alexei Alexandrov (Steklov Institute, St.Petersburg)
Estimates of operator moduli of continuity

15:35–16:35: Dmitri Yafaev (University of Rennes 1)
Multichannel scattering theory for Hankel operators with discontinuous symbols

COFFEE BREAK

17:00–18:00: Alexander Sobolev (University College London)
A family of anisotropic integral operators and behaviour of its maximal eigenvalue

SATURDAY 2 July:

10:00–11:00: Vladimir Marchenko (Inst. for Low Temperature Physics, Kharkov)
Inverse problem of the theory of small oscillations

11:30–12:30: Igor Rodnianski (Princeton)
On singularity formation in geometric evolution equations

LUNCH

14:30–15:30: Evgeni Korotyaev (St.Petersburg State University)
Löwner equation and integrable systems

15:35–16:35: Alexander Komech (Vienna University and IITP, Moscow)
On global attractors of nonlinear hyperbolic PDEs

COFFEE BREAK

17:00–18:00: Elena Kopylova (IITP, Moscow)
On asymptotic stability of kinks for relativistic Ginzburg-Landau equation

SUNDAY 3 July: FREE DAY

MONDAY 4 July:

10:00–11:00: Leonid Pastur (Inst. for Low Temperature Physics, Kharkov)
  Orthogonal polynomials, quasiperiodic Jacobi matrices, and random matrices

<div align="center">COFFEE BREAK</div>

11:30–12:30: Yoram Last (Hebrew University of Jerusalem)
  On level spacings for Jacobi operators

<div align="center">LUNCH</div>

14:30–15:30: Dmitri Chelkak (Steklov Institute & Chebyshev Lab, St.Petersburg)
  Conformal invariance in the critical Ising model: correlations and interfaces

<div align="center">COFFEE BREAK</div>

16:00–16:20: Nikolai Veniaminov (University of Paris Nord)
  Thermodynamic limit for the system of interacting quantum particles in random media
16:25–16:45: Albrecht Seelmann (Johannes Gutenberg-Universität Mainz)
  A new estimate in the subspace perturbation problem
16:50–17:20: Ondrej Turek (Kochi University of Technology, Japan)
  Quantum graph vertices with equal transmission probabilities

18:00:   BOAT TRIP

TUESDAY 5 July:

10:00–11:00: Gian Michele Graf (ETH Zurich)
  Adiabatic evolution and dephasing

<div align="center">COFFEE BREAK</div>

11:30–12:30: Ira Herbst (University of Virginia)
  Smoothness and analyticity in nonrelativistic QED

<div align="center">LUNCH</div>

14:30–15:30: Akira Iwatsuka (Kyoto Institute of Technology)
  Schrödinger operators with singular magnetic fields supported by a circle in $\mathbb{R}^3$

<div align="center">COFFEE BREAK</div>

16:00–16:20: Giuseppe De Nittis (University Paris-13)
  Peierls substitution, Hofstadter model, disorder
16:25–16:45: Vladimir Pchelin (St.Petersburg University)
  TBA
16:50–17:20: Vsevolod Chernyshev (BMSTU, MSU)
  Gaussian packets on metric graphs

18:00 (TBC):   CONFERENCE DINNER

WEDNESDAY 6 July:

10:00–11:00: Thomas Hoffmann-Ostenhoff (University of Vienna)
  Spectral minimal partitions

11:30–12:30: Boris Vainberg (University of North Carolina, Charlotte)
  On the negative spectrum of low dimensional Schrödinger operators

14:30–15:30: Maxim Skriganov (Steklov Institute, St.Petersburg)
  Harmonic analysis of uniformly distributed point sets

15:35–16:35: Michael Belishev (Steklov Institute, St.Petersburg)
  s-points in three-dimensional acoustical scattering