

SPECTRAL THEORY & MATHEMATICAL PHYSICS

A Conference in Honor of
**Barry Simon's
60th Birthday**

Monday, March 27 - Friday, March 31, 2006 • Ramo Auditorium • California Institute of Technology

Lectures at the conference will present mainly surveys of areas reflecting Barry Simon's scientific interests over the years in Mathematical Physics and Analysis.

Confirmed Speakers.

Michael Aizenman (Princeton)
Yosi Avron (Technion, Haifa)
Alexei Borodin (Caltech, Pasadena)
Jean Bourgain (IAS, Princeton)
David Damanik (Caltech, Pasadena)
E. Brian Davies (King's College, London)
Percy Deift (Courant Institute, New York)
Laszlo Erdős (U. Munich)
Charles Fefferman (Princeton)
Richard Froese (UBC, Vancouver)
Jürg Fröhlich (ETH-Zürich)
Christian Gerard (U. Paris Sud, Orsay)
Leonid Golinskii (ILT Kharkov, Ukraine)
Gian Michele Graf (ETH-Zürich)
George Hagedorn (Virginia Tech, Blacksburg)
Evans Harrell (Georgia Tech, Atlanta)
Ira Herbst (U. Virginia, Charlottesville)
Dirk Hundertmark (U. Illinois, Urbana-Champaign)
Vojkan Jaksic (McGill U., Montreal)
Svetlana Jitomirskaya (UC Irvine)
Sergey Khrushchev (Atılım U., Ankara)
Rowan Killip (UCLA)
Alexander Kiselev (U. Wisconsin, Madison)
Yoram Last (Hebrew U., Jerusalem)
Peter Perry (U. Kentucky, Lexington)
William Reinhardt (U. Washington, Seattle)
Lon Rosen (UBC, Vancouver)
Wilhelm Schlag (Caltech, Pasadena)
Vilmos Totik (U. South Florida, Tampa; U. Szeged)

Topics.

Monday: Quantum Field Theory, Statistical Mechanics and Random Matrix Theory
Tuesday: General Nonrelativistic QM, including N-Body Systems and Resonances
Wednesday: Nonrelativistic QM in Electric and Magnetic Fields; Semi-Classical Limit
Thursday: Singular Continuous Spectrum, Random and Ergodic Schrödinger Operators
Friday: Orthogonal Polynomials; Non-Selfadjoint Spectral Theory

Sponsors. Caltech's Center for the Mathematics of Information; Caltech's Division of Physics, Mathematics, and Astronomy; International Association of Mathematical Physics; International Union of Pure and Applied Physics; National Science Foundation.

Registration and further information.

www.math.caltech.edu/mp2006conf.html

Contacts.

Cherie Galvez (SimonFest@caltech.edu)
Fritz Gesztesy (fritz@math.missouri.edu)

