Wednesday, 26 August

Invited Lectures

14:00 – 14:45

01 **Stevo B. Todorcevic,** CNRS, Université de Paris 7, Paris, France, Mathematicki Institut, Beograd, Yugoslavia, and University of Toronto, Toronto, Canada — **MA 005**
Basis Problems in Combinatorial Set Theory *(I: p.35)*
Chair: Martin Goldstern

05 **Dmitri Burago,** Pennsylvania State University, University Park, USA — **MA 001**
Hard Balls Gas and Alexandrov Spaces of Curvature Bounded Above *(I: p.68)*
Chair: Frank Duzaar

11 **Antonio Giorgilli,** Università degli Studi di Milano, Milano, Italy — **H 1028**
On the problem of stability for near to integrable Hamiltonian systems *(I: p.132)*
Chair: Johannes Kellendonk

13 **Alain Lascoux,** CNRS, Université de Marne La Vallée, Noisy-le-Grand, France — **H 2032**
Ordering the symmetric group: Why use Iwahori-Hecke algebras? *(I: p.157)*
Chair: Andrei Zelevinsky

15 **Lloyd N. Trefethen,** Oxford University, Oxford, UK — **H 1012**
Schwarz–Christoffel Mapping in the Computer Era *(I: p.181)*
Chair: Peter J. Deuflhard

18 **Michèle Artigue (speaker),** Université de Paris 7, Paris, France — **H 104**
De la compréhension des processus d'appretissage
à la conception de processus d'enseighement *(I:p.202)*
Hans-Georg Steiner (respondent), Universität Bielefeld, Bielefeld, Germany
"From the Understanding of Learning Processes
to the Design of Teaching Processes" *(I: p.203)*
Chair: Hans-Christian Reichel

15:00 – 15:45

03 **Takeshi Tsuji,** RIMS, Kyoto University, Kyoto, Japan — **MA 005**
p-adic Hodge Theory in the semi-stable reduction case *(I: p.55)*
Chair: Helmut Koch

05 **Gerhard Huisken,** Universität Tübingen, Tübingen, Germany — **MA 001**
Evolving hypersurfaces by their curvature *(I: p.72)*
Chair: Frank Duzaar

12 **David Oliver Siegmund,** Stanford University, Stanford, USA — **H 1028**
Genetic linkage analysis: an irregular statistical problem *(I: p.148)*
Chair: Uwe Küchler

13 **Andrei V. Zelevinsky,** Northeastern University, Boston, USA — **H 2032**
Multisegment duality, canonical bases and total positivity *(I: p.163)*
Chair: Mikhail M. Kapranov

15 **Bjorn Erik Engquist,** UCLA, Los Angeles, USA — **H 1012**
Wavelet Based Numerical Homogenization *(I: p.179)*
Chair: Ralf Kornhuber

16:15 – 17:00

01 **Gregory Hjorth,** UCLA, Los Angeles, USA — **H 1012**
When is an equivalence relation classifiable? *(I: p.32)*
Chair: Ronald B. Jensen

03 **Shou-Wu Zhang,** Columbia University, New York City, USA **MA 005**
Small points, Heegner points, and Arakelov theory *(I: p.57)*
Chair: Jürg Kramer

08 **Pertti Mattila,** University of Jyväskylä, Jyväskylä, Finland **MA 001**
Rectifiability, analytic capacity, and singular integrals *(I: p.100)*
Chair: Srishti (S.D.) Chatterji

12 **Boris Tsirelson,** Tel Aviv University, Tel Aviv, Israel **H 1028**
Within and beyond the reach of Brownian innovation *(I: p.149)*
Chair: Yuri Kifer

16 **Frank Hoppensteadt,** Arizona State University, Tempe, USA **H 2032**
Canonical Models in Mathematical Neuroscience *(I: p.187)*
Chair: Karl Sigmund

16:15 – 18:00

18 **Miguel de Guzman,** Universidad Complutense de Madrid, Madrid, Spain **H 104**
Bernard R. Hodgson, Université Laval, Québec, Canada
Aline Robert, IUFM de Versailles, France
Vinicio Villani (moderator), Università di Pisa, Pisa, Italy
Round table on: *Difficulties in the Passage from Secondary to Tertiary Education* *(I: p.204)*
Chair:

17:15 – 18:00

01 **Alex James Wilkie,** University of Oxford, Oxford, England **H 1012**
O-minimality *(I: p.35)*
Chair: Anand Pillay

03 **Hans Peter Schlickewei,** Universität Marburg, Marburg, Germany **MA 005**
The Absolute Subspace Theorem and Applications *(I: p.54)*
Chair: Alfred J. van der Poorten

08 **Stefan Müller,** Max-Planck-Inst. für Math. in den Naturwissenschaften, Leipzig, Germany **MA 001**
Unexpected solutions of first and second order partial differential equations *(I: p.104)*
Chair: John M. Ball

12 **Iain Murray Johnstone,** Stanford University, Stanford, USA **H 1028**
Oracle Inequalities and Nonparametric Function Estimation *(I: p.146)*
Chair: Persi W. Diaconis

16 **Charles S. Peskin,** Courant Institute, New York University, New York, USA **H 2032**
How to Catch and Transport a Chromosome *(I: p.188)*
Chair: Willi Jäger