Monday, 24 August

Invited Lectures

14:00 – 14:45

02 Sergei Ivanov, University of Illinois, Urbana, USA — **MA 005**
On the Burnside problem for groups of even exponent *(I: p.38)*
Chair: Otto H. Kegel

05 Ulrich Pinkall, TU Berlin, Berlin, Germany — **MA 001**
Quaternionic line bundles and the differential geometry of surfaces *(I: p.75)*
Chair: Dirk Ferus

10 Dmitri Yafaev, Université Rennes-1, Rennes, France — **H 1012**
Scattering theory: some old and new problems *(I: p.127)*
Chair: Volker Enß

12 Friedrich Götze, Universität Bielefeld, Bielefeld, Germany — **H 1028**
Lattice Point Problems and the Central Limit Theorem in Euclidean Spaces *(I: p.143)*
Chair: Richard M. Dudley

13 András Frank, Eötvös Lorand University, Budapest, Hungary — **H 2032**
Applications of Relaxed Submodularity *(I: p.155)*
Chair: Alexander Schrijver

19 Jeremy John Gray, The Open University, Milton Keynes, England — **MA 004**
The Riemann-Roch Theorem and Geometry, 1854-1914 *(I: p.208)*
Chair: Umberto Bottazzini

15:00 – 15:45

02 Idun Reiten, Norwegian University of Science and Technology, Trondheim, Norway — **MA 005**
Tilting Theory and Quasitilted algebras *(I: p.43)*
Chair: Claus Michael Ringel

05 Tobias Holck Colding, Courant Institute, New York University, New York, USA — **MA 001**
Manifolds and spaces with Ricci curvature bounds *(I: p.68)*
Chair: Dirk Ferus

10 Hans Lindblad, University of California at San Diego, La Jolla, USA — **H 1012**
Minimal regularity solutions of nonlinear wave equations *(I: p.122)*
Chair: Konrad Gröger

12 & 16	**Marco Avellaneda,** Courant Institute, New York University, New York, USA *Inverse Problems in Quantitative Financial Modeling* Chair: George C. Papanicolaou	*(I: p.140)*	**H 1028**
13	**Jiří Matoušek,** Charles University, Praha, Czech Republic *Mathematical snapshots from the computational geometry landscape* Chair: Jaroslav Nešetril	*(I: p.158)*	**H 2032**
19	**Karine Chemla,** CNRS and Université Paris 7, Paris, France *History of Mathematics in China: A factor in World History and a Source for New Questions* Chair: Sergei S. Demidov	*(I: p.206)*	**MA 004**

16:15 – 17:00

03	**François Gramain,** Université Jean Monnet Saint-Etienne, Saint-Etienne, France *Some results of algebraic independence* Chair: Michel Waldschmidt	*(I: p.51)*	**MA 005**
08	**Stephen Wainger,** University of Wisconsin, Madison, USA *Discrete Analogues of Singular and Maximal Radon Transforms* Chair: Detlef H. Müller	*(I: p.109)*	**MA 001**
09	**Grzegorz Świątek,** Pennsylvania State University, University Park, USA *Induced Hyperbolicity for One-Dimensional Maps* Chair: Klaus R. Schneider	*(I: p.119)*	**H 1012**
15	**Hisashi Okamoto,** RIMS, Kyoto University, Kyoto, Japan *Bifurcation of Kolmogorov flows with an emphasis on singular limit* Chair: Rolf Jeltsch	*(I: p.180)*	**H 1028**
16	**Gérard M. Iooss,** Institut Universitaire de France, Valbonne, France *Travelling water-waves, as a paradigm for bifurcations in reversible infinite dimensional "dynamical" systems* Chair: Klaus Kirchgässner	*(I: p.184)*	**H 2032**
19	**Joseph Dauben,** The City University of New York, New York, USA *Marx, Mao and Mathematics: the Story of Nonstandard Analysis in China and the Cultural Revolution* Chair: Ivor Grattan-Guiness	*(I: p.208)*	**MA 004**

17:15 – 18:00

03	**William Duke,** Rutgers University, New Brunswick, USA *Bounds for arithmetic multiplicities* Chair: Per Salberger	*(I: p.50)*	**MA 005**
08	**Vitali Milman,** Tel Aviv University, Tel Aviv, Israel *Randomness and Pattern in Convex Geometric Analysis* Chair: Hermann König	*(I: p.101)*	**MA 001**
09	**Sergei B. Kuksin,** Steklov Institute, Moscow, Russia and Heriot-Watt University, Edinburgh, UK *Towards a Qualitative Theory of Hamiltonian PDEs* Chair: Jürgen Moser	*(I: p.116)*	**H 1012**
15	**Gregory Beylkin,** University of Colorado at Boulder, Boulder, USA *On multiresolution methods in numerical analysis* Chair: Siegfried Prößdorf	*(I: p.178)*	**H 1028**
16	**Ulf Grenander,** Brown University, Providence, USA *Strategies for Seeing* Chair: Friedrich Götze	*(I: p.183)*	**H 2032**
18	**Mogens Niss,** Roskilde University, Roskilde, Denmark *Aspects of the nature and the state of research in mathematical education* Chair: Urs Kirchgraber	*(I: p.198)*	**MA 004**