Saturday, 22 August

Invited Lectures

14:00 – 14:45

03 **Vladimir Berkovich,** Weizmann Institute of Science, Rehovot, Israel — **MA 005**
p-adic analytic spaces *(I: p.48, electronic version)*
Chair: Norbert Schappacher

07 **James Greig Arthur,** University of Toronto, Toronto, Canada — **MA 004**
Towards a stable trace formula *(I: p.87)*
Chair: Michael Rapoport

08 **Kari Astala,** University of Jyväskylä, Jyväskylä, Finland — **MA 001**
Analytic aspects of quasiconformality *(I: p.97)*
Chair: Frederick W. Gehring

09 **Yuri Kifer,** Hebrew University of Jerusalem, Jerusalem, Israel — **H 1012**
Random Dynamics and its Applications *(I: p.114)*
Chair: Ludwig Arnold

13 **Béla Bollobás,** University of Memphis, Memphis, USA and University of Cambridge, Cambridge, UK — **H 2032**
Hereditary properties of graphs: asymptotic enumeration, global structure, and colouring *(I: p.153)*
Chair: Hans J. Prömel

16 **Thomas Yizhao Hou,** California Institute of Technology, Pasadena, USA — **H 1028**
Numerical Study of Free Interface Problems Using Boundary Integral Methods *(I: p.189)*
Chair: Vladimir V. Shaidurov

15:00 – 15:45

03 **Pierre Colmez,** CNRS, ENS, and Institut de Mathématiques de Jussieu, Paris, France — **MA 005**
(φ, Γ)*-modules and Iwasawa theory of* p*-adic representations* *(I: p.49)*
Chair: Christophe Soulé

07 **Ivan V. Cherednik,** The University of North Carolina at Chapel Hill, Chapel Hill, USA — **MA 004**
From double Hecke algebra to analysis *(I: p.89)*
Chair: Olivier Mathieu

08 **Detlef H. Müller,** Universität Kiel, Kiel, Germany — **MA 001**
L^p*-functional calculus on Lie groups and estimates for wave equations* *(I: p.102)*
Chair: N.N.

09 **Curtis Tracy McMullen,** Harvard University, Cambridge, USA — **H 1012**
Rigidity and inflexibility in conformal dynamics *(I: p.119)*
Chair: Joerg Schmeling

13 **Harald Niederreiter,** Austrian Academy of Sciences, Vienna, Austria — **H 2032**
Nets, (t,s)*-sequences, and algebraic curves over finite fields with many rational points* *(I: p.159)*
Chair: Dieter Jungnickel

16 **Leslie Frederick Greengard,** Courant Institute, New York University, New York, USA — **H 1028**
A new version of the fast Gauss transform *(I: p.189)*
Chair: Gregory Beylkin

16:15 – 17:00

02 **Eric Mark Friedlander,** Northwestern University, Evanston, USA — **MA 005**
Geometry of Infinitesimal Group Schemes *(I: p.36)*
Chair: Uwe Jannsen

04 & 11	**Paul S. Aspinwall,** Duke University, Durham, USA *Geometry and String Duality* Chair: Pelham M.H. Wilson	*(I: p.59)*	**H 1028**
05	**Dominic Joyce,** Lincoln College, Oxford, UK *Compact Riemannian manifolds with exceptional holonomy* Chair: Boris Dubrovin	*(I: p.73)*	**MA 001**
06	**William Gerard Dwyer,** University of Notre Dame, Notre Dame, USA *Lie groups and p-compact groups* Chair: Albrecht Dold	*(I: p.79)*	**MA 004**
10	**Gunther A. Uhlmann,** University of Washington, Seattle, USA *Inverse Boundary Value Problems for Partial Differential Equations* Chair: Bert-Wolfgang Schulze	*(I: p.127)*	**H 1012**
17	**William R. Pulleyblank,** IBM T.J. Watson Research Center, Yorktown Heights, USA *Advances in Solving Airline Crew Pairing Optimization Problems* Chair: Rolf H. Möhring	*(I: p.194)*	**H 2032**

17:15 – 18:00

!!!	**Lecture by a Fields Medalist** *– to be announced –* Chair: N.N.		**H 2032**
02	**Gunter Malle,** Universität Heidelberg, Heidelberg, Germany *Spetses* Chair: John S. Wilson	*(I: p.41)*	**MA 005**
05	**Sylvestre Gallot,** U.M.P.A., École Normale Supérieure de Lyon, Lyon, France *Curvature-decreasing maps are volume-decreasing* Chair: Boris Dubrovin	*(I: p.71)*	**MA 001**
06	**Mark Mahowald,** Northwestern University, Evanston, USA *Toward a global understanding of $\pi_*(S^n)$* Chair: Albrecht Dold	*(I: p.81)*	**MA 004**
10	**Mikhail Vasilevich Safonov,** University of Minnesota, Minneapolis, USA *Estimates near the boundary for solutions of second order parabolic equations* Chair: Heinz O. Cordes	*(I: p.126)*	**H 1012**
11	**Pierre Collet,** CNRS, École Polytechnique, Palaiseau, France *Extended Dynamical Systems* Chair: Roberto Schonmann	*(I: p.130)*	**H 1028**