

Titles and Speakers

INVITED TALKS

- 1 - *Compact Riemannian manifolds with homogeneous geodesics*,
by Dmitri V. Alekseevsky — Edinburgh, UK THURSDAY MORNING
- 2 - *The Weyl groupoid of a semisimple Yetter-Drinfeld module*,
by Nicolás Andruskiewitsch — Córdoba, Argentina TUESDAY AFTERNOON
- 3 - *Remarks on the geometry of the Springer fiber and applications.*
The $SU(p, q)$ -case,
by Leticia Barchini — U. Oklahoma, Stillwater, USA FRIDAY AFTERNOON
- 4 - *Quotients of curves by a finite group*,
by Ingrid Bauer — Bayreuth, Germany THURSDAY MORNING
- 5 - *Aspherical homogeneous manifolds*,
by Oliver Baues — Karlsruhe, Germany WEDNESDAY AFTERNOON
- 6 - *Spherical functions on finite Heisenberg groups*,
by Chal Benson — U. East Carolina, Greenville, USA WEDNESDAY AFTERNOON
- 7 - *Transfer operators, cohomology and Maass forms*,
by Roelof Bruggeman — Utrecht, Netherlands THURSDAY AFTERNOON
- 8 - *Complex structures on nilmanifolds, iterated torus bundles*
and their deformations in the large,
by Fabrizio Catanese — Bayreuth, Germany TUESDAY AFTERNOON
- 9 - *Novikov structures and LR-structures on nilpotent Lie algebras*,
by Karel Dekimpe — U. Leuven, Kortrijk, Belgium FRIDAY MORNING
- 10 - *Hypercomplex nilmanifolds*,
by Isabel Dotti — Córdoba, Argentina THURSDAY AFTERNOON
- 11 - *Riemannian 2-step nilmanifolds with prescribed Ricci tensor*,
by Patrick Eberlein — U. North Carolina, Chapel Hill, USA FRIDAY AFTERNOON
- 12 - *Heat content asymptotics with singular initial temperatures*,
by Peter B. Gilkey — U. Oregon, Eugene, USA WEDNESDAY MORNING
- 13 - *Inverse spectral results for Schrödinger operators on line bundles over tori*,
by Carolyn S. Gordon — Dartmouth College, Hanover, USA WEDNESDAY MORNING

- 14 - *Linear representations of the automorphism group of a free group*,
by Fritz Grunewald — Düsseldorf, Germany THURSDAY MORNING
- 15 - *Geometry and topology of linear and related groups*,
by Lizhen Ji — U. Michigan, Ann Arbor, USA WEDNESDAY MORNING
- 16 - *Orthogonal systems of cycles in the hyperbolic plane*,
by Maria Luiza (Soares) Leite — U. Pernambuco, Recife, Brazil THURSDAY AFTERNOON
- 17 - *Fourier coefficients of cusp forms*,
by Roberto Miatello — Córdoba, Argentina THURSDAY AFTERNOON
- 18 - *Local Paley-Wiener Theorem for compact symmetric spaces*,
by Gestur Olafsson — U. Louisiana, Baton Rouge, USA SATURDAY MORNING
- 19 - *Submanifolds and holonomy*,
by Carlos Olmos — Córdoba, Argentina WEDNESDAY MORNING
- 20 - *Invariant polynomials associated with multiplicity free actions*,
by Gail Ratcliff — U. East Carolina, Greenville, USA THURSDAY MORNING
- 21 - *Algebraic sets associated to isoparametric submanifolds*,
by Cristián U. Sánchez — Córdoba, Argentina FRIDAY AFTERNOON
- 22 - *Branching laws for some unitary representations of $SL(4, \mathbb{R})$* ,
by Birgit Speh — U. Cornell, Ithaca, USA FRIDAY MORNING
- 23 - *Spherical functions and orthogonal polynomials*,
by Juan A. Tirao — Córdoba, Argentina FRIDAY AFTERNOON
- 24 - *Branching laws for square integrable representations*,
by Jorge Vargas — Córdoba, Argentina FRIDAY MORNING
- 25 - *Transplantation and Jacobians of Sunada isospectral Riemann surfaces*,
by David L. Webb — Dartmouth College, Hanover, USA TUESDAY AFTERNOON
- 26 - *Infinite dimensional Gelfand pairs*,
by Joseph A. Wolf — U. California, Berkeley, USA WEDNESDAY AFTERNOON
- 27 - *On the geometry of cohomogeneity one actions in nonnegative curvature*,
by Wolfgang Ziller — U. Pennsylvania, Philadelphia, USA FRIDAY MORNING

CONTRIBUTED TALKS

- 1 - *Left-invariant hypersymplectic metrics on Lie groups,*
by Adrián Andrada — Córdoba, Argentina SATURDAY MORNING
- 2 - *The osculating rank of the Jacobi operator over G.O. spaces.
A method for solving the Jacobi equation,*
by Teresa Arias-Marco — Humboldt U., Berlin, Germany SATURDAY MORNING
- 3 - *Faithful representations of minimal dimension of current
Heisenberg Lie algebras,*
by Leandro Cagliero — Córdoba, Argentina SATURDAY MORNING
- 4 - *The Gelfand-Zeitlin algebra and polarizations of regular adjoint
orbits for classical groups,*
by Mark (Aaron) Colarusso — Notre Dame, South Bend, USA WEDNESDAY AFTERNOON
- 5 - *Borel and parabolic subalgebras of \mathfrak{gl}_∞ ,*
by Elizabeth Dan-Cohen — U. California, Berkeley, USA TUESDAY AFTERNOON
- 6 - *On the spectral geometry of compact Lie groups,*
by Corey Michael Dunn — U. California, San Bernardino, USA SATURDAY MORNING
- 7 - *Weighted Vogan diagrams associated to real nilpotent orbits,*
by Esther Galina — Córdoba, Argentina TUESDAY AFTERNOON
- 8 - *Quantum subgroups of a simple quantum group at roots of 1,*
by Gastón Andrés García — Córdoba, Argentina TUESDAY AFTERNOON
- 9 - *The strong Stone-von Neumann theorem,*
by Shamgar Gurevich — U. California, Berkeley, USA FRIDAY AFTERNOON
- 10 - *The Ricci soliton problem for homogeneous nilmanifolds,*
by Michael (R) Jablonski — U. North Carolina, Chapel Hill, USA FRIDAY AFTERNOON
- 11 - *Length and eigenvalue equivalence,*
by David Ben McReynolds — U. Chicago, USA SATURDAY MORNING
- 12 - *Jacobi fields and osculating rank of the Jacobi operator in some
special classes of homogeneous Riemannian spaces,*
by Antonio Martínez Naveira — Valencia, Spain TUESDAY AFTERNOON
- 13 - *On the topology of compact manifolds of nonnegative isotropic curvature,*
by Maria-Helena Noronha — U. California, Northridge, USA TUESDAY AFTERNOON

- 14 - *Small oscillations and Lie Theory*,
by Gabriela Paola Ovando — Rosario, Argentina TUESDAY AFTERNOON
- 15 - *Differential geometric aspects of the tt^* -equations*,
by Lars Schäfer — Hamburg, Germany SATURDAY MORNING
- 16 - *Local spectral rigidity of bi-invariant metrics on compact Lie groups*,
by Craig J. Sutton — Dartmouth College, Hanover, USA WEDNESDAY AFTERNOON
- 17 - *Homogeneous and cohomogeneity-one manifolds with nonnegative curvature*,
by Kris Tapp — Suffolk U., Boston, USA TUESDAY AFTERNOON
- 18 - *Anosov diffeomorphisms on infra-nilmanifolds*,
by Kelly Verheyen — U. Leuven, Kortrijk, Belgium TUESDAY AFTERNOON