



# FOLIATIONS

Łódź, June 24-30, 2012

MONDAY, JUNE 25

- 08:00 – 09:00 REGISTRATION
- 09:00 – 09:15 OPENING
- 09:15 – 10:15 PAUL SCHWEITZER, *A new class of non-leaves*
- 10:15 – 10:45 COFFEE BREAK
- 10:45 – 11:45 SHIGENORI MATSUMOTO, *Dense properties of the space of circle diffeomorphisms with a Liouville rotation number*
- 11:45 – 12:15 PAWEŁ G. WALCZAK, *Tautness and the Godbillon-Vey class*
- 12:20 – 12:50 DORIS BOHNET, *Partially hyperbolic systems with a uniformly compact center foliation and the dynamics on the leaf space*
- 12:50 – 14:15 LUNCH
- 14:15 – 14:45 JULIO C. REBELO, *On the structure of quasi-invariant measures for non-discrete subgroups of  $\text{Diff}^\omega(S^1)$*
- 14:50 – 15:20 JONATHAN BOWDEN, *Contact structures, deformations and taut foliations*
- 15:30 – 16:00 THOMAS VOGEL, *Uniqueness of the contact structure approximating a foliation in dimension 3*
- 16:00 – 16:30 COFFEE BREAK
- 16:30 – 17:00 NAOHIKO KASUYA, *The contact structure on the link of a cusp singularity*
- 17:10 – 17:40 YASUHARU NAKAE, *A good presentation of  $(-2, 3, 2s + 1)$ -type Pretzel knot group and  $\mathbb{R}$ -covered foliation*
- 17:50 – 18:20 NINA ZHUKOVA, *Attractors of conformal foliations of codimension  $q \geq 3$*
- 19:00 – 21:00 WELCOME RECEPTION

TUESDAY, JUNE 26

- 09:00 – 10:00 GAEL MEIGNIEZ, *Mather's homology equivalence from the differentiable viewpoint*
- 10:00 – 10:30 COFFEE BREAK
- 10:30 – 11:30 VICTOR KLEPTSYN, *Non-expandable points and ergodicity for (semi)group actions on the circle and real codimension one foliations*
- 11:35 – 12:05 JESUS A. ALVAREZ LOPEZ, *A trace formula for foliated flows on foliations of codimension one*
- 12:15 – 12:45 MACIEJ CZARNECKI, *Umbilical foliations in hyperbolic spaces*
- 12:45 – 14:15 LUNCH
- 14:15 – 14:45 SZYMON M. WALCZAK, *Metric diffusion for compact foliations*
- 14:50 – 15:20 TOMASZ RYBICKI, *Certain interrelations between foliations and diffeomorphism groups*
- 15:30 – 16:00 KRZYSZTOF ANDRZEJEWSKI, *Integral formulae for higher order mean curvatures of foliations*
- 16:00 – 16:30 COFFEE BREAK
- 16:30 – 17:00 YOSHIFUMI MATSUDA, *Limits of geometrically finite convergence actions of a group*
- 17:10 – 17:40 MAGDALENA LUŻYŃCZYK, *New integral formula on Riemannian manifolds with a pair of distributions*
- 17:50 – 18:20 ALEXEY ZHIROV, *How many different pseudo-Anosov homeomorphisms may have the same invariant foliations*

### WEDNESDAY, JUNE 27

- 09:00 – 10:00 ANA RECHTMAN, *The minimal set of Kuperberg's plug*
- 10:00 – 10:30 COFFEE BREAK
- 10:30 – 11:30 TARO ASUKE, *On independent rigid classes in  $H^*(WU_q)$*
- 11:35 – 12:05 RÉMI LANGEVIN, *Foliations of  $S^3$  by Dupin cyclides singular along a curve*
- 12:15 – 12:45 KOJUN ABE, *Uniform perfectness of diffeomorphism groups and its application*
- 12:45 – 14:15 LUNCH
- 14:30 – 18:00 SIGHTSEEING

### THURSDAY, JUNE 28

- 09:00 – 10:00 MASAYUKI ASAOKA, *Rigidity of certain solvable actions on the sphere*
- 10:00 – 10:30 COFFEE BREAK
- 10:30 – 11:30 GILBERT HECTOR, *Topological Canal Foliations*
- 11:35 – 12:05 VLADIMIR ROVENSKI, *Deforming metrics of foliations*
- 12:15 – 12:45 ANDRZEJ BIŚ, *An analogue of the Variational Principle for group and pseudogroup actions*
- 12:45 – 14:15 LUNCH
- 14:15 – 14:45 VLADIMIR SLESAR, *Spectral properties of Dirac-type operators defined on foliated manifolds*
- 14:50 – 15:20 HIRAKU NOZAWA, *Finiteness of characteristic classes of transversely homogeneous foliations*
- 15:30 – 16:00 INDRAVA ROY, *Rho-invariants for foliations and their stability properties*
- 16:00 – 16:30 COFFEE BREAK

- 16:30 – 17:00 HIROKI KODAMA, *Minimal  $C^1$ -diffeomorphisms of the circle which admit measurable fundamental domains*
- 17:10 – 17:40 CARLOS MENIÑO COTÓN, *Dynamical Lusternik–Schnirelmann category of foliations*

FRIDAY, JUNE 29

- 09:00 – 10:00 HIROMICHI NAKAYAMA, *Smooth embedding of the minimal homeomorphism of Gottschalk and Hedlund*
- 10:00 – 10:30 COFFEE BREAK
- 10:30 – 11:30 YOSHI MITSUMATSU, *Leafwise symplectic structures on codimension one foliations on the 5-sphere*
- 11:35 – 12:05 HÉLÈNE EYNARD-BONTEMPS, *Connectedness of the space of smooth  $Z^2$  actions on the interval*
- 12:15 – 12:45 MILENA PABINIAK, *Gelfand–Tsetlin system of action coordinates and Gromov width of coadjoint orbits*
- 12:45 – 14:15 LUNCH
- 14:15 – 14:45 YURI A. KORDYUKOV, *Transverse Hamiltonian dynamics on foliated manifolds*
- 14:50 – 15:20 EVA MIRANDA, *Rigidity for Hamiltonian actions on Poisson manifolds and a Nash–Moser abstract normal form theorem*
- 15:30 – 16:00 MIROSLAV KURES, *On natural affinor fields induced by minimal ideals of a Weil algebra*
- 16:00 – 16:30 COFFEE BREAK
- 16:30 – 17:00 ANDRZEJ CZARNECKI, *Homotopy approach to basic cohomology*
- 17:10 – 17:40 KAMIL NIEDZIAŁOMSKI, *Harmonic distributions and conformal deformations*
- 18:30 –  $\infty$  BANQUET

SATURDAY, JUNE 30

- 09:00 – 12:30 PROBLEM SESSION
- 12:45 – 14:15 LUNCH

