

# FOLIATIONS 2005

## Program

### Monday – June 13

14:00 – 18.00 Registration

### Tuesday – June 14

09.30 – 10.00 OPENING

10.10 – 11.10 P. Schweitzer, *3-dimensional foliations whose leaves have Thurston model geometries*

11.10 – 11.40 Coffee break

11.40 – 12.40 S. Matsumoto, *Rigidity of locally free Lie group actions and leafwise cohomology, I*

12.40 – 14.30 Lunch

14.30 – 15.00 T. Mizutani, *Lie algebroids associated with almost Dirac structures*

15.10 – 15.40 T. Inaba, *On rigidity of loops in non-integrable plane fields*

15.40 – 16.10 Coffee break

16.10 – 16.40 K. Mikami, *On the pre-Poisson structures*

16.50 – 17.20 T. Asume, *Infinitesimal derivative of the Bott class and the Schwarzian derivative*

19.00 – \*\*.\*\*. WELCOME PARTY

### Wednesday – June 15

09.00 – 10.00 G. Hector, *Hyperfinite laminations and coverings*

10.10 – 11.10 S. Matsumoto, *Rigidity of locally free Lie group actions and leafwise cohomology, II*

11.10 – 11.40 Coffee break

11.40 – 12.40 T. Tsuboi, *On the group of real analytic diffeomorphisms*

12.40 – 14.30 Lunch

14.30 – 15.00 H. Marzougui, *Dynamics of abelian subgroups of  $GL(n, \mathbb{C})$*

15.10 – 15.40 T. Rybicki, *Fragmentations of the second kind for foliations*

15.40 – 16.10 Coffee break

16.10 – 16.40 E. Macias-Virgos, *Diffeomorphism group of linear foliations on the torus*

16.50 – 17.20 A. Lozano-Rojo, *Dynamics of the Ghys-Kenyon lamination*

### Thursday – June 16

- 09.00 – 10.00 E. Zhuzhoma, *Codimension-one expanding attractors: global topological structure and classification*
- 10.10 – 11.10 S. Matsumoto, *Rigidity of locally free Lie group actions and leafwise cohomology, III*
- 11.10 – 11.40 Coffee break
- 11.40 – 12.40 V. Grines, *New invariants and topological classification of gradient-like diffeomorphisms on 3-manifolds*
- 12.40 – 14.30 Lunch
- 14.30 – 15.00 O. Pochinka, *Classification of Morse-Smale diffeomorphisms with a chain of saddles on 3-manifolds*
- 15.10 – 15.40 S. Maksymenko, *Stabilizers and orbits of smooth functions and foliations with singularities*
- 15.40 – 16.10 Coffee break
- 16.10 – 16.40 A. Biś, *Lattice actions on Menger manifolds*
- 16.50 – 17.20 T. Noda, *A Birkhoff section of the Bonatti-Langevin example of Anosov flow*

### Friday – June 17

- 09.00 – 10.00 M. Asaoka, *Rigidity of projectively Anosov flows*
- 10.10 – 11.10 H. Minakawa, *Transversely piecewise linear structures of Anosov foliations*
- 11.10 – 11.40 Coffee break
- 11.40 – 12.40 T. Vogel, *Existence of Engel structures*
- 12.40 – 14.40 Lunch
- 14.40 – 15.10 K. Fukui, *The first homology of the group of equivariant diffeomorphisms and its application to foliations*
- 15.20 – 15.50 V. Slesar, *Vanishing results for spectral terms of a Riemannian foliation*
- 15.50 – 16.20 Coffee break
- 16.20 – 17.20 A. Navas, *On codimension-one foliations with regularity lower than  $C^2$*

## Saturday – June 18

- 09.00 – 10.30 Problem session  
10.30 – 11.00 Coffee break  
11.00 – 12.30 Informal seminars  
12.30 – \*\*.\*\*,\*\* Lunch and free afternoon

## Sunday – June 19

- 09.00 – 18.00 Sightseeing (buses at 8:45 at the hotel)

## Monday – June 20

- 09.00 – 10.00 G. Meigniez, *Codimension-one foliations and foliated cobordisms with prescribed dynamics*  
10.10 – 11.10 J. Alvarez-Lopez, *Morphisms of pseudogroups, foliation maps and spectral sequences of Riemannian foliations*  
11.10 – 11.40 Coffee break  
11.40 – 12.40 K. Richardson, *Generalized equivariant index theory*  
12.40 – 14.30 Lunch  
14.30 – 15.00 C. Tarquini, *Foliations admitting a transverse connection; applications in dimension three*  
15.10 – 15.40 Y. Nakae, *Taut foliations of torus knot complements*  
15.40 – 16.10 Coffee break  
16.10 – 16.40 W. Florek, *Harmonic measures: a detail description. Uniformly recurrent leaves, unique ergodicity*  
16.50 – 17.20 H. Kodama, *On commutators of diffeomorphisms*

## Tuesday – June 21

- 09.00 – 10.00 E. Vogt, *Tangential LS-category of  $K(\pi, 1)$ -foliations*  
10.10 – 11.10 V. Kaimanovich, *Harmonic measures on foliations, I*  
11.10 – 11.40 Coffee break  
11.40 – 12.40 S. Hurder, *Geometry of minimal sets*  
12.40 – 14.30 Lunch  
14.30 – 15.00 M. Rams, *Contracting-on-average iterated function systems*  
15.10 – 15.40 D. Töben, *The generalized Weyl group of a singular Riemannian foliation with sections*  
15.40 – 16.10 Coffee break  
16.10 – 16.40 B. Mümken, *Tangential index of Riemannian foliations*

16.50 – 17.20 S. Jung, *Transversal twistor spinors and Killing spinors on Riemannian foliations*

17.30 – 18.00 T. Küssner, *Generalization of Agol's inequality*

### Wednesday – June 22

09.00 – 10.00 D. Bolotov, *Extrinsic geometry of foliations on 3-manifolds*

10.10 – 11.10 V. Kaimanovich, *Harmonic measures on foliations, II*

11.10 – 11.40 Coffee break

11.40 – 12.40 Y. Kordyukov, *Non-commutative spectral geometry of Riemannian foliations*

12.40 – 14.30 Lunch

14.30 – 15.00 J. Royo Prieto, *Tautness of Riemannian foliations on non-compact manifolds*

15.10 – 15.40 R. Wolak, *Basic intersection cohomology for singular Riemannian foliations*

15.40 – 16.10 Coffee break

16.10 – 16.40 W. Mozgawa, *Lift of a Finsler foliation to its normal bundle*

16.50 – 17.20 F. Kopei, *A product formula for meromorphic functions on "number-theoretic" foliated spaces*

### Thursday – June 23

09.00 – 10.00 TBA

10.10 – 11.10 V. Kaimanovich, *Harmonic measures on foliations, III*

11.10 – 11.40 Coffee break

11.40 – 12.40 R. Langevin, *Harmonic foliations of the plane, a conformal approach*

12.40 – 14.30 Lunch

14.30 – 15.00 F. Brito, *Energy of flows and its indices on 3-dimensional punctured spheres*

15.10 – 15.40 P. Walczak, *Integral formulae in foliation theory*

15.40 – 16.10 Coffee break

16.10 – 16.40 Sz. Walczak, *Collapse of foliated manifolds*

16.50 – 17.50 Y. Mitsumatsu, *On the deformation of foliations into contact structures*

18.00 – \*\*.\*\*. GOOD-BYE PARTY

### Friday – June 24

\*\*.\*\*. – \*\*.\*\*. Private discussions