

Schedule

Brazilian-Polish Topology

Workshop

Toruń: July 09-13, 2012
Warsaw: July 16-20, 2012

Toruń: July 09-13, 2012

MONDAY, JULY 09, 2012

9:30–9:55 *Opening ceremony*

10:00–10:30 coffee break

10:30–11:15 *Fixed Points on trivial Surface Bundles*

Alice Kimie Miwa Libardi (Unesp Rio Claro, Brazil)

11:20–12:05 *Remarks on Lefschetz coincidence class*

Thaís Fernanda Mendes Monis (Unesp Rio Claro, Brazil)

12:05–14:30 lunch break

15:00–15:45 *Homotopy type of path components of certain map spaces*

Thiago de Melo (Unesp Rio Claro, Brazil)

15:50–16:40 tea break and problem session

16:40–17:15 *Fractal homeomorphisms*

Krzysztof Leśniak (N. Copernicus University, Toruń)

17:20–18:30 *Problem session*

TUESDAY, JULY 10, 2012

9:15–10:00 *S^1 -invariant vector fields on manifolds with semi-free circle action*

V. Sharko (Institute of Mathematics of NAS of Ukraine, Kiev)

10:15–11:00 coffee break

11:00–11:45 *On the Lusternik-Schnirelmann category approach to topological complexity*

Petar Pavesic (Ljubljana University, Slovenia)

12:00–14:30 lunch break

15:00–15:45 *Koszul complexes and Chevalley's theorems for Lie algebroids*

Jan Kubarski (Technical University, Łódź)

15:50–16:50 tea break and problem session

17:00–20:30 barbecue party-A and problem session

WEDNESDAY, JULY 11, 2012

9:15–10:00 *Large scale absolute extensors*

Jerzy Dydak (University of Tennessee, USA)

10:15–11:00 coffee break

11:00–11:45 *Algebraic models of mapping spaces*

Aniceto Murillo (Malaga University, Spain)

12:00–14:30 welcome lunch break

15:00–15:45 *Homotopy invariants for set-valued maps*

Robert Skiba (N. Copernicus University, Toruń)

15:50–16:40 tea break and problem session

16:40–17:25 *Homotopy dominations of polyhedra-new results and open problems*

Danuta Kołodziejczyk (Warsaw University of Technology)

17:30–18:15 *On the topological Kolmogorov property*

Wojciech Bułatek (N. Copernicus University, Toruń)

THURSDAY, JULY 12, 2012

9:15–10:00 *Higher track categories & derived functors and the Adams spectral sequence*

David Blanc (Haifa University, Israel)

10:10–11:00 coffee break

11:00–11:45 *Short exact sequences and transformation groups of homotopy surfaces*

Zbigniew Błaszczyk (N. Copernicus University, Toruń)

12:00–14:30 lunch break

15:00–15:45 *Čech cohomology of attractors of discrete dynamical systems*

Francisco Romero Ruiz del Portal (Universidad Complutense de Madrid, Spain)

15:50–16:40 tea break and problem session

16:40–17:25 *Ważewski retract method and its time scale version*

Sebastian Ruskowski (N. Copernicus University, Toruń)

18:30– barbecue party-B and problem session

FRIDAY, JULY 13, 2012

9:15–10:00 *Displacement sequence of an orientation preserving circle homeomorphism*

W. Marzantowicz (Adam Mickiewicz University, Poznań)

10:15–11:00 coffee break

11:00–11:45 *Coincidence theorems for maps of free \mathbb{Z}_p -spaces*

Edivaldo L. dos Santos (Federal University of São Carlos, Brazil)

12:00–14:30 lunch break

15:00–15:45 *On the existence of G -equivariant maps*

Denise de Mattos (University of São Paulo in São Carlos, Brazil)

15:50–16:40 tea break and problem session

SATURDAY, JULY 14, 2012

Moving to Warsaw: Banach Center, Warszawa, ul. Śniadeckich 8

Warszawa: July 16-20, 2012

MONDAY, JULY 16, 2012

9:30–10:15 *Reidemeister number of nilpotent groups finitely and infinitely generated*

Daciberg Lima Gonçalves (São Paulo University, Brasil)

10:30–11:00 coffee break

11:00–11:45 *Coincidence of maps on Torus Fiber Bundles over the Circle*

João Peres Vieira (Unesp Rio Claro, Brazil)

12:00–14:15 lunch break

14:15–15:00 *Non-commutative Geometry and Morse theory*

V. Sharko (Institute of Mathematics of NAS of Ukraine, Kiev)

15:00–15:30 tea break

15:30–16:15 *Coarse homology theories*

Piotr Nowak (Warsaw University, Poland)

16:30–17:15 *Inverse problem for multiplicity; touch-search after a hidden set*

Henryk Fast (Warsaw, Poland)

17:15 – informal discussion session

TUESDAY, JULY 17, 2012

9:30–10:15 *Invariants on coincidences of fiberwise maps*

Alice Kimie Miwa Libardi (Unesp Rio Claro, Brazil)

10:30–11:00 coffee break

11:00–11:45 *Local Nash equilibrium and the Lefschetz-Hopf fixed point theorem*

Thaís Fernanda Mendes Monis (Unesp Rio Claro, Brazil)

12:00–14:15 lunch break

14:15–15:00 *Large scale absolute extensors*

Jerzy Dydak (University of Tennessee, USA)

15:00–15:30 tea break

15:30–16:15 *Coarse homology theories*

Piotr Nowak (Warsaw University, Poland)

16:30 – informal discussion session

WEDNESDAY, JULY 18, 2012

10:30–11:00 coffee

11:00–11:45 *Mean dimension and an sharp embedding result for extensions of aperiodic zero-dimensional systems*

Yonatan Gutman (Institute of Mathematics, Polish Academy of Sciences)

12:00–14:15 lunch break

14:15–15:00 *Path components of map spaces*

Thiago de Melo (Unesp Rio Claro, Brazil)

15:00–15:30 tea break

15:30–16:15 *Coarse homology theories*

Piotr Nowak (Warsaw University, Poland)

16:30 – informal discussion session

THURSDAY, JULY 19, 2012

9:30–10:15 *Homotopy dominations of polyhedra - new results and open problems, part II*

Danuta Kołodziejczyk (Warsaw University of Technology)

10:30–11:00 coffee break

11:00–11:45 *On the non-existence of free actions of alternating groups on products of spheres*

Zbigniew Błaszczyk (N. Copernicus University in Toruń, Poland)

12:00–14:15 lunch break

14:15–15:00 *Parametrized Borsuk-Ulam theorems for spaces of type (a, b)*

Denise de Mattos (University of São Paulo in São Carlos, Brazil)

15:00–15:30 tea break

15:30–16:15 *Bourgin-Yang version of the Borsuk-Ulam theorem for \mathbb{Z}_{p^k}*

Edivaldo L. dos Santos (Federal University of São Carlos, Brazil)

16:30–17:15 *The fixed point property of the simplest uniquely arcwise connected continua and their cylinders*

Mirosław Sobolewski (Warsaw University, Poland)

FRIDAY, JULY 20, 2012

9:30–10:15 *Free and linear representations of $Out(F_n)$*

Dawid Kielak (University of Oxford)

10:30–11:00 coffee break

11:00–11:45 *Trees of manifolds with boundaries*

Paweł Zawiślak (Warsaw University, Poland)