

Second South Texas Algebra Colloquium

Department of Mathematics
University of Texas, Brownsville
Howard Johnsons' Conference Room
South Padre Island, Texas

Date: November 7, 2009

Program

- 9:50–10:00 Welcoming Remarks and Dedication, Dr. Mikhail Bouniaev, Dean of the College of Science, Mathematics, and Technology, UTB-TSC
- 10:00–10:25 Beverly Brechner (The University of Florida): Manifolds and medicine, the unlikely topological M & M twins
- 10:30–10:55 Elena Poletaeva (UTPA): On some applications of cohomology of Lie algebras
- 11:00–11:25 Sean Lawton (UTPA): Singularities of free group character varieties
- 11:30–11:55 John Garza (UTB): Lehmer strength bounds for total ramification
- 12:00–13:20 **Lunch**
- 13:30–13:55 Hiroshi Nozaki (UTB): Geometrical approach to strongly regular graphs
- 14:00–14:25 Oleg Musin (UTB): On the Borsuk Ulam type theorem
- 14:30–14:55 Alexey Volovikov (UTB): Antipodal theorems for maps to CW-complexes
- 15:00–15:25 Arseniy Akopyan (UTB): The Extremal Spheres Theorem
- 15:25–15:55 **Coffee Break**
- 16:00–16:25 Barbara Shipman (University of Texas, Arlington): Interactive learning for upper-level mathematics majors, in the context of real analysis
- 16:30–16:55 Zhijun Qiao (UTPA): Integrability and r-matrix structure
- 17:00–17:25 Luis Garza (Universidad de Tamaulipas, Matamoros): TBA
- 18:25 **Dinner** : Amber Jacks

Organizers:

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