

# 2003 ALBANY GROUP THEORY CONFERENCE SCHEDULE

October 17–19, 2003

## FRIDAY, OCT 17

4:00–5:00 Registration  
5:00–5:10 Opening remarks  
5:10–6:00 **ROBERT GILMAN**  
The word problem  
6:10–6:30 Short Talks 1  
7:00 Dinner

## SATURDAY, OCT 18

8:00–9:00 Breakfast  
9:00–9:50 **MARK FEIGHN**  
Aspects of Sela's solution of the Tarski problems  
10:00–10:20 Short talks 2  
10:30–10:50 Short talks 3  
11:00–11:50 **KAREN VOGTMANN**  
Commutative graph homology and  
the bordification of Outer space  
12:00 Lunch  
2:00–2:50 **PETER BRINKMANN**  
Dynamics of free group automorphisms  
3:00–3:20 Short talks 4  
3:30–3:50 Short talks 5  
4:00–4:50 **SIMON THOMAS**  
The quasi-isometry problem  
for finitely generated groups  
5:00–5:20 Short talks 6  
5:30–5:50 Short talks 7  
6:30 Dinner : New England Clam Bake  
8:00– **Rensselaerville Multiplex**

## SUNDAY, OCT 19

8:00–9:00 Breakfast  
9:00–9:20 Short talks 8  
9:30–9:50 Short talks 9  
10:00–10:50 **ZLIL SELA**  
Quantifier elimination over a free group  
11:00–11:50 Round table discussion: Guggenheim Auditorium  
12:00 Lunch  
1:10–2:00 **BILAL KHAN**  
The automorphism graph of the  
free group of rank two  
2:10–2:30 Short talks 10  
2:40–3:00 Short talks 11

# SCHEDULE OF SHORT TALKS

## 2003 Albany Group Theory Conference

	Guggenheim Auditorium	Master Seminar Room
<b>Session 1</b> Fri 6:10–6:30	<b>Taback</b> Properties of Cayley graphs of lamplighter groups	<b>Ciobanu</b> Complexity of the endomorphism problem for free groups
<b>Session 2</b> Sat 10:00–10:20	<b>Abramenko</b> Commensurators of some non-uniform tree lattices	<b>McCann</b> The growth function for $BS(2,3)$
<b>Session 3</b> Sat 10:30–10:50	<b>Kassabov</b> Explicit Kazhdan constants for $SL_n(\mathbb{Z})$	<b>Freden</b> A simplified proof of Whyte's theorem for $BS$ groups
<b>Session 4</b> Sat 3:00–3:20	<b>Horak</b> Ribbon graphs and free group automorphisms	<b>Sunik</b> Polyfree constructions for right-angled Artin groups
<b>Session 5</b> Sat 3:30–3:50	<b>Kahrobaei</b> Residual solvability of amal prods of fin gen nilpotent groups	<b>Peifer</b> Cylindrical and affine braid groups
<b>Session 6</b> Sat 5:00–5:20	<b>Kapovich</b> Delzant's $T$ -inv, 1-rel groups and Kolmogorov complexity	<b>Bell</b> Curvature testing in Artin groups
<b>Session 7</b> Sat 5:30–5:50	<b>Bumagina</b> Coherence of coherent by cyclic groups	<b>Wortman</b> $S$ -arithmetic lattices and quasi-isometric rigidity
<b>Session 8</b> Sun 9:00–9:20	<b>Cleary</b> Exploring the Cayley graph of Thompson's group $F$	<b>Bahls</b> Loops in Coxeter diagrams: what do they get us?
<b>Session 9</b> Sun 9:30–9:50	<b>Dean</b> Wreath prods of free ab groups as subgroups of skew fields	<b>Margalit</b> Rigid relations in mapping class groups
<b>Session 10</b> Sun 2:10-2:30	<b>Brendle</b> Every mapping class gp is gen by 3 tor elements and 7 involutions	<b>Nica</b> Cubulating spaces with walls
<b>Session 11</b> Sun 2:40-3:00	<b>Elder</b> A context free language of geodesics for BS groups	<b>Koban</b> Topological invariants of translation actions

# SUPPLEMENTAL SCHEDULE OF SHORT TALKS

2003 Albany Group Theory Conference

**Straus**  
**Lower Level**

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<b>Session 2</b> Sat 10:00–10:20	<b>A.G. Miasnikov</b> Random VanKampen diagrams and algorithmic problems in groups
<b>Session 3</b> Sat 10:30–10:50	<b>Rocca</b> Automorphism classes in finite abelian groups
<b>Session 4</b> Sat 3:00–3:20	<b>Choi</b> Curvature testing in 4-dim finite type Artin groups
<b>Session 5</b> Sat 3:30–3:50	<b>A. D. Miasnikov</b> Regression methods and the Whitehead problem
<b>Session 6</b> Sat 5:00–5:20	<b>Behrstock</b> Some asymptotic geometry of the mapping class group
<b>Session 7</b> Sat 5:30–5:50	<b>Serbin</b> Finite automata, infinite words and fully residual groups

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