ELEMENTARY THEORY of GROUPS and GROUP RINGS
and Related Topics

A conference in honor of Gilbert Baumslag and
the 70th birthdays of Ben Fine and Tony Gaglione

Thursday November 1, 2018.
Alumni House, Fairfield University

Time	Speaker	Title
8:00–8:30	Coffee and Breakfast	
8:30–8:45	Opening Remarks	
8:50–9:20	Kreuzer	*Gröbner Basis Methods in Group Theory*
9:30–10:10	Neumann	*Applications of Leighton's Theorem* CANCELLED
10:10–10:40	Coffee	
10:40–11:20	Ushakov	*Quadratic Equations in Free Metabelian Groups*
11:30–12:00	Spellman	*Some Model Theory of the Heisenberg Group*

12:00–2:00	Lunch	
2:00–2:30	Miasnikov	*On Elementary Theories of One-Relator Groups*
2:40–3:10	Hooda	*Rational subgroups and invariants of F_4 and G_2*
3:20–3:50	Gryak	*Solving the Conjugacy Decision Problem via Machine Learning*
3:50–4:15	Coffee	
4:15–4:45	Diekert	*The Elementary Theory of Free Inverse Monoids*
4:45–5:15	Clement	*Some Properties of the Baumslag Groups $G(m,n)$*
5:25–5:55	Mittag	*On Nested Infinite Radicals*
6:00–onward	Dinner, Drinks, and Party	

Friday November 2, 2018.

Room 4102, Graduate Center, CUNY

Time	Speaker	Title
10:00–10:15		Opening Remarks
10:20–10:50	Thaler	*On Gilbert Baumslag and Symbolic Computation*
11:00–11:30	Shpilrain	*Tropical Cryptography*
11:40–12:10	Kapovich	*Attracting Trees of "Random" Automorphisms of Free Groups*
12:10–2:00		Lunch
2:00–2:30	Sohrabi	*Bi-interpretability of the Ring of Integers $\mathbb{Z}$ with the Pure Groups $SL(n,\mathbb{Z}), GL(n,\mathbb{Z})$ and $T(n,\mathbb{Z}), n > 2$*
2:30–3:00	Shneerson	*On Conditions for Polynomial Growth in Inverse Semigroups*
3:00–3:30		Coffee

Time	Speaker	Title
3:30–4:00	Rosenberger	*On Vector-Valued Hecke Forms*
4:00–4:30	Bonanome	*Incorporating Examples of Remarkable Groups into your Teaching*
4:40–5:10	Sunic	*Rewriting in Thompson's Group F*
5:10–5:40	Kharlampovich	*First-Order Properties of Group Rings of Limit Groups*
5:45–6:15	Steinberg	*Lamplighter Groups as Bireversible Automaton Groups*
6:30–onward		Dinner at the Persian Grill