SOUTHERN REGIONAL ALGEBRA CONFERENCE 2024

University of Houston-Downtown
Marilyn Davies College of Business Building
March 22-24, 2024
Houston, Texas

Southern Regional Algebra Conference 2024

University of Houston-Downtown, Houston, Texas
Marilyn Davies College of Business Building

Schedule, Friday, March 22, 2024

12:00 -12:30 Room SSB-108, Check-in, conference formalities, parking

12:30-12:50 Room SSB-113: Opening remarks

Session chair: Kent Neuerburg

1:00-1:25 Room SSB-113: Kenneth L. Price
Affiliation: University of Wisconsin Oshkosh
Title: Enhancing Lie color algebras

1:30-1:55 Room SSB-113: Guy Biyogmam
Affiliation: Georgia College & State University
Title: On the dimension of the Schur Lie-multiplier of Leibniz n-algebras

2:00-2:25 Room SSB-113: Olivier A. Heubo Kwegna
Affiliation: Saginaw Valley State University
Title: Localizations of *- completely integrally closed domains

2:30-3:00 Room SSB-108: Coffee break

Session chair: Oliver A. Heubo-Kwegna

3:00-3:25 Room SSB-113: Christopher (C.J.) Bott
Affiliation: Texas A&M University
Title: SchubertIdeals.m2: A software package for the Schubert calculus of flag varieties

3:30-3:55 Room SSB-113: Layla Sorkatti
Affiliation: Southern Illinois University
Title: On minimal symplectic alternating algebras

4:00-5:30 Break: Visit a place nearby or walk downtown

5:30-7:30 Room: SSB-343: Dinner #1

Schedule, Saturday, March 23, 2024

7:30-7:55: Room SSB-108: Coffee, light breakfast

Session chair: Jean B Nganou

8:00-8:50 Room SSB-113: Tekin Karadag
Affiliation: University of Georgia
Title: Lie structure by homotopy lifting

Parallel Session I: Room SSB-113

Session chair: Mark Colarusso

9:00-9:25 Room SSB-113: Luigi Ferraro
Affiliation: University of Texas, Rio Grande Valley
Title: Trimming five generated Gorenstein ideals

9:30-9:55 Room SSB-113: Arik Wilbert
Affiliation: University of South Alabama
Title: Delta Springer varieties and arc algebras

10:00-10:30 Room SSB-108: Coffee break

Session chair: Justin Lynd

10:30-10:55 Room SSB-113: Mark Colarusso
Affiliation: University of South Alabama
Title: GL(n)-orbits on two complete flag varieties and a line

11:00-11:25 Room SSB-113: Irfan Bagci
Affiliation: University of North Georgia
Title: Whittaker modules for cartan type Lie superalgebras

11:30-1:00: Lunch break

Session chair: Simplice Tchamna

1:00-1:25 Room SSB-113: Sergey Grigorian
Affiliation: University of Texas Rio Grande Valley
Title: Algebraic structures on parallelizable manifolds

1:30-1:55 Room SSB-113: Benjamin Roark
Affiliation: Coe College
Title: Counting cycles in tanner graphs of low-density parity check codes

2:00-2:25 Room SSB-113: Lokendra Paudel
Affiliation: University of South Carolina Salkehatchie
Title: On Star-Prüfer extensions

<p align="center">**2:30-3:00 Room SSB-108: Coffee break**</p>

Session chair: Guy Biyogmam

3:00-3:25 Room SSB-113: Simplice Tchamna
Affiliation: Georgia College
Title: A study of Generalized Star-GCD Extensions

3:30-3:55 Room SSB-113: Ayman Badawi
Affiliation: American University of Sharjah
Title: Square-difference factor absorbing ideals of a commutative ring

Parallel Session II: Room SSB-119

Session chair: Cornelius Pillen

9:00-9:25 Room SSB-119: Justin Lynd
Affiliation: University of Louisiana at Lafayette
Title: Partial groups as symmetric sets

9:30-9:55 Room SSB-119: Sudhir Ghorpade
Affiliation: Indian Institute of Technology Bombay
Title: Hyperplane sections of determinantal varieties over finite fields

<p align="center">**10:00-10:30 Room SSB-108: Coffee break**</p>

Session chair: Alan Cannon

10:30-10:55 Room SSB-119: Jared Painter
Affiliation: University of North Alabama
Title: Maximal type Koszul algebra structures for trivariate monomial ideals

11:00-11:25 Room SSB-119: Kalina Mincheva
Affiliation: Tulane University
Title: (Equivariant) vector bundles on tropical toric schemes

11:30-1:00 Lunch break

Session chair: Mahir Bilen Can

1:00-1:25 Room SSB-119: Ozlem Ugurlu
Affiliation: Saint Louis University
Title: Understanding Hessenberg varieties through K-orbit closures

1:30-1:55 Room SSB-119: Alan Cannon
Affiliation: Southeastern Louisiana University
Title: Nearrings of functions determined by subgroups

2:00-2:25 Room SSB-119: Cornelius Pillen
Affiliation: University of South Alabama
Title: Tilting Modules for type A

2:30-3:00 Room SSB-108: Coffee break

4:00-5:30 Break (Walk around the Bayou?)

5:30-7:30 Room SSB-343: Dinner #2

Schedule, Sunday, March 24, 2024

7:30-7:55 Room SSB-108: Coffee, light breakfast

Session chair: Jean B Nganou

8:00-8:50 Room SSB-113: Mahir Bilen Can
Affiliation: Tulane University
Title: Classical groups over finite fields and error correcting codes

9:00-9:25 Room SSB-113: Naufil Sakran
Affiliation: Tulane University
Title: Classification of irreducible unipotent numerical monoids

9:30-9:55 Room SSB-108: Coffee break

Session chair: Lokendra Paudel

10:00-10:25 Room SSB-113: Jean Nganou
Affiliation: University of Houston-Downtown
Title: On generalized Lukasiewicz rings

11:00-12:00 Final remarks and Planning meeting

12:00 Adjourn.