China-US Group Theory Summit 2024
Feb 23-25, 2024
Gainesville, Florida, USA

Schedule

Friday, Feb 23 at LIT 225

Morning

7:45-8:20am   **Conference Registration, continental breakfast will be provided**

8:20-8:30am   **Opening remark by Prof. Jiping Zhang (online)**

Plenary Talk Session (Session Chair: Yong Yang)

8:30-9:20am   **Ron Solomon**   Gary Seitz retrospective and update on the GLS Project

9:20-9:30am   **Break**

9:30-10:20am   **Caiheng Li**   Covering of groups, graphs and surfaces (online)

10:20-10:30am   **Break**

10:30-11:20am   **Mandi Schaeffer Fry**   Brauer's height zero conjecture

11:20-11:30am   **Break**

11:30-11:40am   **Taking Photograph**

11:40am-1:50pm   **Lunch Break**

Afternoon

Conference Talk Session part 1(Session Chair: Pham Tiep)

1:50-2:15pm   **Justin Lynd**   Partial groups as symmetric sets

2:15-2:40pm   **Xingzhong Xu**   On Oliver's p-group conjecture for Sylow subgroups of symplectic groups and orthogonal groups

2:40-3:05pm   **Anakin Dey**   Classifying primitive solvable permutation groups of rank 5 and 6

3:05-3:30pm   **William Cocke**   Word maps on finite groups

3:30-3:55pm   **Coffee Break**

Conference Talk Session part 2 (Session Chair: Ron Solomon)

3:55-4:20pm   **Jeffrey Riedl**   Orbits of normal subgroups for wreath product p-groups

4:20-4:45pm   **Solotko Saskia**   The prime graphs of some families of non-solvable groups

4:45-5:10pm   **Ryan McCulloch**   The centralizer lattice and the Chermak-Delgado lattice

5:10-5:35pm   **Yanjun Liu**   On the inverse of the Cartan matrix of a p-block (online)

6:20-8:30pm   **Conference banquet at Mr. Han's restaurant**

Saturday, Feb 24 at LIT 121 and LIT 113 (refreshments at LIT 225)

Morning

7:50-8:30am   **Continental breakfast**

Plenary Talk Session LIT 121 (Session Chair: Thomas Keller)

8:30-9:20am   **Guohua Qian**   Finite groups whose codegree graphs have diameter three (online)

9:20-9:30am   **Break**

9:30-10:20am   **Pham Tiep**   Normalized characters of finite groups

10:20-10:30   **Break**

10:30-11:20am   **Hung Tong-Viet**   Conditional characterization of solvability and nilpotency of finite groups

11:30am-1:40pm   **Lunch Break**

Afternoon   (LIT 121 and LIT 113)

Conference Talk Session (Session Chairs: Yong Yang at LIT 121 and Hung Tong-Viet at LIT 113)

1:40-2:05pm   **Thomas Keller**   Bounding the number of conjugacy classes in terms of a prime

2:05-2:30pm   **Xiaoyou Chen**   Ito's Theorem and monomial Brauer characters

2:30-2:55pm   **Banafsheh Akbari**   Structure and solubilizers of finite groups (online)

2:30-2:55pm   **Mee Seong Im**   Diagrammatics of infinitesimal dilogarithms and entropy (**LIT 113**)

2:55-3:20pm   **Rachel Carleton** The commuting graph of finite, solvable A-groups

2:55-3:20pm   **Andrew Latham** π - Submaximal subgroups of simple groups (**LIT 113**)

3:20-3:45pm   **Coffee Break**

3:45-4:10pm   **Xia Xu** Covering a finite group with characters and conjugacy classes (online)

3:45-4:10pm　**Jonathon Villarreal**　Contractibility of the orbit space of a saturated fusion system after Steinberg (**LIT 113**)

4:10-4:35pm　**Mohammad Zarrin**　The number of pairwise non-commuting sets in a finite group

4:35-5:00pm　**Jun Liao**　Local rank of fusion systems and Alperin's weight conjecture (online)

5:00-5:25pm　**Zhencai Shen** New characteristic subgroups of saturated fusion systems (online)

Sunday, Feb 25 at LIT 121 (refreshments at LIT 225)

Morning

7:50-8:30am　**Continental breakfast**

Plenary Talk Session (Session Chair: Alex Turull)

8:30-9:20　**Ping Jin**　Tensor factorizations of characters revisited (online)

9:20-9:30　**Break**

9:30-10:20　**Mark Lewis**　A lower bound on the size of maximal abelian subgroups

10:20-10:30　**Break**

10:30-11:20　**Lizhong Wang**　Geometric presentations of finite groups and its representations

11:20-11:30　**Closing remark by Prof. Alex Turull**