Thomas Richard Whitt, III

Contact Information

Auburn University
Department of Mathematics and Statistics
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Research Interests

Graph Theory and Combinatorial Designs.

Education

Auburn University

Ph.D. in Mathematics, May 2013

- Dissertation Topic: Path Decompositions of the Kneser Graph
- Advisor: Dr. Chris Rodger

Coastal Carolina University

B.S. in Applied Mathematics, May 2007

- Magna Cum Laude

B.S. in Theoretical Computer Science, May 2007

- Magna Cum Laude
- Awarded Departmental Outstanding Graduating Senior

Publications

T. R. Whitt, III and C. A. Rodger, *On the Embedding of Partial Three Path Systems,* Discrete Math. 339 (2016), pp. 1476-1481

T. R. Whitt, III and C. A. Rodger, *Decompositions of the Kneser Graph Into Paths of Length Four,* Discrete Math. 338 (2015), no. 8, 1284-1288.

T. R. Whitt, III and C. A. Rodger, *Path Decompositions of Kneser and Generalized Kneser Graphs,* Canad. Math. Bull. 58 (2015), no. 3, 610-619.

Conference Talks

Four Cycle Packings of $\lambda K_{2n} - F$, MAA-SIAM Conference, Auburn University. (2006)

Revolutions in Mathematical History: From Zero to Infinity, Celebration of Inquiry, Coastal Carolina University. (2007)

Path Decompositions of the Kneser Graph with $k = 2$, 43^{rd} Southeastern International Conference on Combinatorics, Graph Theory & Computing, Florida Atlantic University. (2012)

Path Decompositions of the Kneser Graph, 2013 MAA-AMS Joint Mathematics Meetings, San Diego. (2013)

Teaching Experience

Auburn University

- Graduate Teaching Assistant 2007-13
- Instructor 2013-2017
- Lecturer 2017-2023
- Senior Lecturer 2023-present
- Courses Taught:
  - Calculus I(H)(LR and lecture)/II(H)/III (F2F & Remote)
  - Business Calculus I
  - History of Mathematics
  - Ordinary Differential Equations (F2F & Remote)
  - Topics in Linear Algebra
  - Discrete Mathematics / Discrete Structures
  - Statistics for Biological and Health Sciences
  - Math For Elementary Educators II: Geometry
  - Math For Elementary Educators III: Probability & Statistics
  - Finite Mathematics and Applications
  - Pre-Calculus, Algebra & Trigonometry
  - Pre-Calculus, Trigonometry
  - Concepts of Science (F2F & Remote)

Service:

- ❑ Undergraduate Studies Committee, member 2022-present, chair 2023-present
- ❑ Lecturer Search Committee 2023
- ❑ Undergraduate Student Awards Committee, 2023-present
- ❑ Honors College Advisory Committee, member 2025-present
- ❑ Departmental Assessment Report, contributor MATH 2650, AY 2024-25
- ❑ Ad hoc Committees:
  - Senior Lecturer Promotion Committee for Samir Raouafi 2023
  - Lecturer Promotion Committee for Eric Harshbarger 2024
  - APDM to Data Science Transition Committee, USC Representative, 2024
  - Calculus Syllabus Revision & Textbook Adoption Committee, 2024
  - Linear Algebra Syllabus Revision & Textbook Adoption Committee, 2025

Honors and Awards

2010	Outstanding Teaching Award Department of Mathematics and Statistics, Auburn University
2009	Baskervil Fellowship Department of Mathematics and Statistics, Auburn University
2007	Student Excellence in Research, Performance, or Exhibition Coastal Carolina University
2007	Outstanding Graduating Senior Department of Computer Science, Coastal Carolina University
2006	Academic Enhancement Research Grant ($1200), towards new research in the subject of four cycle decomposability

Graduate Coursework

- ❑ Finite Geometry (2 courses)
- ❑ Graph Theory (3 courses)
- ❑ Matrices (2 courses)
- ❑ Combinatorial Designs (2 courses)
- ❑ Discrete Geometry & Convexity (2 courses)
- ❑ Coding Theory (2 courses)
- ❑ Game Theory
- ❑ Information Theory
- ❑ Number Theory

Professional Memberships

Mathematics Association of America, member.

Association for Computing Machinery, member