

PHD THESIS DEFENSES

July 2

Isiah Lavender (English), "Otherhood(s): Mapping Race and Ethnicity in Science Fiction Literature," B. Landon, chair; 2pm, 331 EPB

July 5

John Watson (Communication Studies), "Biology, Behavior, Betterment: Stimulating the Plastic Brain," D. Depew, chair; 3:30pm, 105C BCSB

July 7

Noel Estrada-Hernandez (Education), "Crystalization, Implementation, and Severity of Disability as Mediators of Employment Outcomes of Students with Disabilities," J. Wadsworth, chair; 10am, N340 LC

Kenan Gundogdu (Physics), "Optical Measurements of Spin Dynamics in Semiconductor Nanostructures and Spintronic Device Applications," T. Boggess, chair; noon, 309 VAN

July 8

Li Zhang (Applied Mathematical and Computational Sciences), "The p-Hub Center Allocation Problem and the q-Upgrading Arc Problem," B. Thomas, chair; 10am, C121 PBB

Michael Winders (Mathematics), "Idealization," D. Anderson, chair; 1pm, 205 MLH

Carol Montz (Education), "A Case Study of Female Superintendents from One Midwestern State: Characteristics, Skills, and Barriers for Female Candidates Aspiring to the Superintendency," L. Bartlett and C. Wanat, co-chairs; 1:30pm, N434 LC

Anne Schutte (Psychology), "A Developmental Transition in Spatial Working Memory," J. Spencer, chair; 2pm, 104 SLP

July 9

Marcia Hay-McCutcheon (Speech and Hearing Science), "The Impact of Peripheral Auditory Nerve Adaptation upon Central Measures of Temporal Integration in Nucleus-24 Cochlear Implant Recipients," C. Brown, chair; 9:30am, 233 SHC

Janet Hume (Microbiology), "BPI-Mediated Delivery of Endotoxin-rich Particles to Human CD14+ Monocytes: Molecular Determinants and Fate of Endotoxin," J. Weiss, chair; 2pm, 1051 ML

July 12

Eric Boelter (Education), "Antecedent Effects on Noncompliance and Accurate Responding in Young Children," S. Ehly and D. Wacker, co-chairs; 8am, 350 LC

Joanna Morrison (Exercise Science), "Antioxidant Enzyme Balance after Heat Stress in Aged Animals is Dependent on Thirst Status," K. Kregel, chair; 8:30am, B180 ML

Ryan Stufflebeam (Mathematics), "The Theta Correspondences for $U(1)$ and the Quasi-split $U(2)$," D. Manderscheid, chair; 1pm, 213 MLH

Mikhiela Sherrod (Genetics), "Expression and Function of Human Angiotensinogen in the Central Nervous System," C. Sigmund, chair; 3pm, 283 EMRB

July 13

Melissa Mezzari (Civil and Environmental Engineering), "Enzymatic Transformations of Chloroacetanilide Herbicides and Explosive Chemicals by Plants: In Vivo and In Vitro Studies," J. Schnoor, chair; 9am, 3220 SC

Angela Pitkin (Education), "The Effect of Multidimensionality on the Distribution of a Person Fit Index," T. Ansley, chair; 10am, 340B LC

Christine Weydert (Free Radical and Radiation Biology), "Modulation of Antioxidants in Cancer: The Role of Gene Therapy in Treatment," L. Oberley, chair; 10am, B180 ML

Roopa Kamath (Civil and Environmental Engineering), "Rhizosphere Effect on Biodegradation of Polyaromatic Hydrocarbons (PAHS) in Contaminated Soils," P. Alvarez, chair; 1pm, 3220 SC

Taehun Lee (Mechanical Engineering), "A Lattice Boltzmann Study of Surface-directed Flows in Microfluidic Systems," C.L. Lin, chair; 1:30pm, 3210 SC

Monie Hayes (Education), "Smart Cookies: Girls, Media Literacy, and Learning Communities," A. DiPardo, chair; 2pm, N293 LC

Peter Jezewski (Oral Science), "The Role of MSX1 in Nonsyndromic Orofacial Clefting," J. Murray, chair; 2pm, 283 EMRB

Doojin Hong (Mathematics), "Spectra of Higher Spin Operators," T. Branson, chair; 3:30pm, 110 MLH

July 14

Phillip Lewis (Education), "Out of Place of Assignment: A Descriptive Study Assessing the Behavior of Incarcerated Persons with Special Needs in Iowa State Prisons," D. Maki and S. Watt, co-chairs; 10am, N340 LC

Jinseol Rhee (Biology), "Signaling from Roundabout (ROBO), a Repulsive Axon Guidance Receptor, Inhibits N-cadherin-mediated Intercellular Adhesion," J. Lilien, chair; 3pm, 401 BBE

Jatin Vaidya (Psychology), "Personality Stability in Young Adulthood: Characterizing Changes in General and Specific Factors of Disinhibition versus Constraint," D. Watson, chair; 3pm, E17 SSH

July 15

Wenqing Sun (Free Radical and Radiation Biology), "Effect of Addition of Superoxide or Nitric Oxide on the Antitumor Combination of ADMNSOD Plus BCNU," L. Oberley, chair; 10am, B180 ML

July 16

Hanwei Chen (Education), "The Efficacy of Mathematic Interventions for Students with Learning Disabilities: A Meta-analysis," P. Retish and K. Kavale, co-chairs; 9am, N461 LC

Brian Nolan (Neuroscience), "Neurobiological Mechanisms of Conditioned Excitation and Conditioned Inhibition of the Eyeblink Response in Rats," J. Freeman, chair; 1pm, E104 SSH

July 19

Jun Chen (Chemistry), "Spectral Processing Tools to Improve and Characterize Near Infrared Spectroscopic Measurements of Glucose in Complex Biological Materials," M. Arnold, chair; 9:30am, 323A CB