Brigham Young University
Announcement of Thesis & Dissertation Defenses

Bartley Brett Mortensen
Exercise Sciences, PhD
Title: Can a Preseason Screen Predict Injury or Performance over Three Years of College Football?
Committee Chair: J. William Myrer
March 26, 2018
8:00 AM in 281 SFH

Ryan Scott Call
Wildlife & Wildlands Conservation, MS
Title: Emerging Seed Enhancements to Reduce the Risk of Sagebrush Post-Fire Seeding Failure
Committee Chair: Matthew D. Madsen
March 27, 2018
9:00 AM in 5015 LSB

Jonathan Lake Priedeman
Mechanical Engineering, MS
Title: Quantifying Grain Boundary Atomic Structures Using the Smooth Overlap of Atomic Positions
Committee Chair: Eric R. Homer
March 26, 2018
11:00 AM in 455 CTB

Barbara M. Smith
Educational Leadership, EdD
Title: Supervising Teaching Candidates Using Face-to-Face and Virtual Observations: Perceptions and Preferences of Special Educators
Committee Chair: Scott Ellis Ferrin
March 27, 2018
9:00 AM in 307 MCKB

Lyndsay Ann Feil
Biology, MS
Title: Analysis of Whole Exome Sequence Data in Affected Cousin Pairs from High-Risk Alzheimer's Pedigrees
Committee Chair: John Sai Keong Kauwe
March 26, 2018
12:00 PM in 5015 LSB

Christopher Jon Hanson
Genetics & Biotechnology, MS
Title: Exploration of the Gossypium raimondii Genome Using Bionano Genomics Physical Mapping Technology
Committee Chair: Peter J. Maughan
March 27, 2018
10:00 AM in 5001 LSB

Derek Michael Lontine
Mechanical Engineering, MS
Title: Stress Modulated Grain Boundary Mobility
Committee Chair: Oliver Kent Johnson
March 26, 2018
1:00 PM in 431 CTB

Kathleen Nichole Thiriot
Exercise Sciences, MS
Title: The Effect of Photobiomodulation Therapy on Exercise-Induced Muscle Damage
Committee Chair: David O. Draper
March 27, 2018
12:30 PM in 249K SFH

Daniel Ethan William Schwicht
Civil Engineering, MS
Title: Large-Scale Strength Testing of High-Speed Railway Bridge Embankments: Effects of Cement Treatment and Skew Under Various Loading
Committee Chair: Kyle Rollins
March 26, 2018
1:00 PM in 3368F CB

Kelsey Ringer Phillips
Physiology & Developmental Biology, MS
Title: CRISPR-Cas9 Transfection Optimization and Use in a Forward Genetic Screen to Identify Telomere Length Maintenance Genes
Committee Chair: Jason Merrell Hansen
March 27, 2018
1:00 PM in 4014 LSB

Amber H. Bethers
Exercise Sciences, MS
Title: Positional Release Therapy vs. Therapeutic Massage in Reducing Muscle Trigger and Tender Points
Committee Chair: David O. Draper
March 27, 2018
8:00 AM in 249K SFH

Dustin Shawn Northrup
Geology, MS
Title: A Geomorphological Study of Yardangs in China, the Altiplano/Puna of Argentina, and Iran as Analogs for Yardangs on Titan
Committee Chair: Jani Radebaugh
March 27, 2018
3:00 PM in N131 ESC
Thomas Henry Corie  
Mechanical Engineering, MS  
Title: Simulated Tremor Propagation in the Upper Limb: From Muscle Activity to Joint Displacement  
Committee Chair: Steven Knight Charles  
March 28, 2018  
9:00 AM in 245/255 CTB

Linnea H. Stegner  
Second Language Teaching, MA  
Title: Current Strategies Utilized by Secondary French Teachers to Help Students Visualize Their Progress  
Committee Chair: Jennifer Bown  
March 28, 2018  
9:00 AM in W255 TNRB

Anne Elizabeth Stewart Grow  
Comparative Studies, MA  
Title: The Meaning of Sexuality: A Critique of Foucault’s History of Sexuality Through the Use of Dystopian Literature  
Committee Chair: Martha M. Peacock  
March 28, 2018  
2:00 PM in 4010 JFSB

Bryan T. Hamilton  
Biology, PhD  
Title: Small Mammal Diversity, Rattlesnake Demographics, and Resource Utilization in the Great Basin: Implications for Management and Stable Isotopes Proxies  
Committee Chair: Beverly L. Roeder  
March 28, 2018  
2:00 PM in 5015 LSB

Nicholas Guy Larsen  
Mathematics, MS  
Title: A New Family of Topological Invariants  
Committee Chair: Gregory R. Conner  
March 28, 2018  
4:00 PM in 292 TMCB

Dallin James Frandsen  
Mechanical Engineering, MS  
Title: Heterogeneous Templated Grain Growth  
Committee Chair: Oliver Kent Johnson  
March 29, 2018  
8:00 AM in 255 CTB

Aaron Brent Roper  
Civil Engineering, MS  
Title: Reinforcing Bar Splice Performance in Masonry with Self-Consolidating Grout  
Committee Chair: Fernando S. Fonseca  
March 29, 2018  
8:00 AM in 368F CB

Jonathan Spencer Terry  
Mechanical Engineering, MS  
Title: Adaptive Control for Inflatable Soft Robotic Manipulators with Unknown Payloads  
Committee Chair: Marc D. Killpack  
March 29, 2018  
8:00 AM in 290B FB

William Charles Richardson  
Wildlife & Wildlands Conservation, MS  
Title: A Novel Approach in the Use of Predictive Modeling to Aid in the Restoration Efforts Across the Great Basin of North America  
Committee Chair: Matthew D. Madsen  
March 29, 2018  
9:00 AM in 4014 LSB

Robert Nishan Crapo  
Linguistics, MA  
Title: Wordplay Strategies Across Joke Schemata: A Corpus-Based Study  
Committee Chair: Dallin Dixon Oaks  
March 29, 2018  
11:00 AM in 4068 JFSB

Bradley C. Naylor  
Biochemistry, PhD  
Title: Creation and Use of Software for Analysis of Kinetic Proteomic Experiments  
Committee Chair: John Calvin Price  
March 29, 2018  
12:00 PM in C107 BNSN

Attiya Mahmood  
Electrical & Computer Engineering, PhD  
Title: Impact of Antenna Mutual Coupling, Propagation, and Nonreciprocity on Propagation-Based Key Establishment  
Committee Chair: Michael Allen Jensen  
March 29, 2018  
1:00 PM in 460 CB
Lee Whitney Essig-Thunell
Marriage, Family, & Human Development, MS
Title: A Content-Analytic Meta-Analysis of Gender Stereotyping in Screen Media
Committee Chair: Sarah Marie Coyne
   March 29, 2018
   2:00 PM in 2002 JFSB

Keenan Louis Eves
Mechanical Engineering, MS
Title: A Comparative Analysis of Computer-Aided Collaborative Design Tools and Methods
Committee Chair: John LaNay Salmon
   March 29, 2018
   3:30 PM in 4739 HBLL

John Taani De Leon
Civil Engineering, MS
Title: The Effects of Surface Treatments on Deterioration of Concrete Bridge Decks in Utah
Committee Chair: William S. Guthrie
   March 30, 2018
   8:00 AM in 276 FB

Amy D. MacKay
Physiology & Developmental Biology, PhD
Title: Multi-Tissue Examination of Exercise or Metformin on the Consequences of Doxorubicin Treatment
Committee Chair: Chad R. Hancock
   March 30, 2018
   8:00 AM in 4014 LSB

Nujod Ali Bakhsh
Communication Disorders, MS
Title: The Effect of the Slope of the Psychometric Function on the Measurement of Speech Recognition Threshold Using a Male Talker
Committee Chair: Richard W. Harris
   March 30, 2018
   10:00 AM in 255 TLRB

Bryce Emerson Blackham
Mathematics, MS
Title: Subtraction Games: Range and Strict Periodicity
Committee Chair: Rodney W. Forcade
   March 30, 2018
   11:00 AM in 301 TMCB

Jessica L. Reese
Communication Disorders, MS
Title: The Effect of the Slope of the Psychometric Function on the Measurement of Speech Recognition Threshold Using a Female Talker
Committee Chair: Richard W. Harris
   March 30, 2018
   11:00 AM in 125 TLRB

Bryan C. Kubricht
Marriage & Family Therapy, PhD
Title: Therapist Behaviors That Predict Therapeutic Alliance in Couple Therapy
Committee Chair: Richard B. Miller
   March 30, 2018
   12:00 PM in 295 TLRB

Matthew D. Arnold
Electrical & Computer Engineering, MS
Title: Optimization Methods for a Reconfigurable OTA Chamber
Committee Chair: Michael Allen Jensen
   March 30, 2018
   1:00 PM in 460 CB

Rebekah Paige Jensen
Wildlife & Wildlands Conservation, MS
Title: Plane of Energy Nutrition on Blood Metabolites, Milk Production and Lamb Growth in Friesian Sheep
Committee Chair: Todd Fergus Robinson
   March 30, 2018
   1:00 PM in 5015 LSB

Elizabeth Ashleigh Roper
Civil Engineering, MS
Title: Chloride Concentration and Blow-Through Analysis for Concrete Bridge Decks Rehabilitated Using Hydro-Demolition
Committee Chair: William S. Guthrie
   March 30, 2018
   1:00 PM in 276 FB

Steven Tanner Satchwell
Technology, MS
Title: Isolation of Temporary Storage in High-Performance Computing via Linux Namespacing
Committee Chair: Chia Chi Teng
   March 30, 2018
   1:00 PM in 245 CTB
Stevenson George Smith  
Spanish, MA  
Title: Heideggerian Authenticity in La Celestina and Don Quijote de la Mancha  
Committee Chair: Gregory C. Stallings  
March 30, 2018  
1:00 PM in 3198 JFSB