Brigham Young University
Announcement of Thesis & Dissertation Defenses

Seth William Glazier
Mathematics, MS
Title: Deep Learning for Sequential Survival Analysis
Committee Chair: Jeffrey C. Humpherys
July 22, 2019
8:00 AM in 301 TMCB

Isaac Chelladurai
Mechanical Engineering, PhD
Title: Characterization of Phase Transformation and Twin Formation in Automotive Sheet Metal Alloys to Quantify and Understand Their Impact on Ductility
Committee Chair: David T. Fullwood
July 22, 2019
2:00 PM in 302 EB

Joseph Allen Adams
Mathematics, PhD
Title: A Matched Payout Model for Investment, Consumption, and Insurance with Risky Annuity Income
Committee Chair: Jeffrey C. Humpherys
July 22, 2019
9:00 AM in 301 TMCB

Benjamin Allen Hilton
Mechanical Engineering, MS
Title: The Effect of Subglottic Stenosis on the Aerodynamic, Acoustical, and Vibratory Output of Synthetic Vocal Fold Models
Committee Chair: Scott L. Thomson
July 23, 2019
9:00 AM in 302 EB

Landon Thomas Hansen
Mechanical Engineering, PhD
Title: Characterization of Dislocation–Grain Boundary Interactions Through Electron Backscatter Diffraction
Committee Chair: David T. Fullwood
July 22, 2019
10:00 AM in 302 EB

John Benjamin Martin
Comparative Studies, MA
Title: Post-Coloniality in Plutarch’s Lives of Philopoemen and Titus Flamininus
Committee Chair: Cecilia Marie Peek
July 23, 2019
11:00 AM in 3198 JFSB

Christopher James Hettinger
Mathematics, PhD
Title: Hyperparameters for Dense Neural Networks
Committee Chair: Jeffrey C. Humpherys
July 22, 2019
10:00 AM in 301 TMCB

Cody Ryan Simmons
Chemical Engineering, MS
Title: Proactive Energy Optimization in Residential Buildings with Weather and Market Forecasts
Committee Chair: John D. Hedengren
July 23, 2019
12:00 PM in 334A EB

Scott Cutler Egbert
Mechanical Engineering, MS
Title: Pressurized Combustion Product Temperature Measurement Using Integrated Spectral Band Ratios
Committee Chair: Dale Reif Tree
July 22, 2019
11:00 AM in 302 EB

Samuel Searle Friedbaum
Mechanical Engineering, MS
Title: Comparison of HR-EBSD vs TEM for Dislocation Density Measurements and Same Preparation Technique
Committee Chair: David T. Fullwood
July 23, 2019
1:00 PM in 346 EB

Leo Perez Aquino
Marriage & Family Therapy, MS
Title: A Content Analysis of Ethnic Minorities in the Professional Discipline of Clinical Psychology
Committee Chair: Roy A. Bean
July 22, 2019
1:00 PM in 295 TLRB
Chandler Alan Warr
Chemical Engineering, MS
Title: Development of a Novel Bioprinting System: Bioprinter, Bioink, Characterization and Optimization
Committee Chair: Alonzo D. Cook
   July 25, 2019
   10:00 AM in 330 EB

Mary Elizabeth Wilson
Mechanical Engineering, MS
Title: Techniques for Using Internal Strain-Energy Storage and Release in Origami-Based Mechanical Systems
Committee Chair: Spencer P. Magleby
   July 26, 2019
   10:00 AM in 302 EB

Casey John Winters
School Psychology, EdS
Title: Bullying in the Wizarding World: Victim, Peer, and Adult Responses in Harry Potter and the Sorcerer's Stone
Committee Chair: Melissa Ann Heath
   July 25, 2019
   12:00 PM in 343 MCKB

Matthew Joel Cannon
Electrical & Computer Engineering, PhD
Title: Improving the Radiation Resiliency of Triple Modular Redundancy on SRAM FPGAs Through Placement and Routing
Committee Chair: Michael J. Wirthlin
   July 25, 2019
   1:00 PM in 446 EB

Hyun Lim
Physics, PhD
Title: Dynamics of Compact Object in Numerical Relativity
Committee Chair: Eric W. Hirschmann
   July 25, 2019
   2:00 PM in N288 ESC

David Jordan Standring
Mechanical Engineering, MS
Title: Distribution of Tremorogenic Activity Among the Major Superficial Muscles of the Upper Limb in Subjects with Essential Tremor
Committee Chair: Steven Knight Charles
   July 25, 2019
   3:00 PM in 302 EB

Alexander Jay Smart
Electrical & Computer Engineering, MS
Title: A Comparison of Lithium-Ion Cathode Vertical Homogeneity as Influenced by Drying Rate and Drying Method
Committee Chair: Brian A. Mazzeo
   July 26, 2019
   10:00 AM in 446 EB