Ph.D. Dissertations

Year	Name	Dissertation Title	Electronic Dissertation Link	Committee (*chair, **co-chair)
December 2019	Abdulmtalb Hussen	Recover Data in Sparse Expansion Forms Modeled by Special Basis Functions	https://irl.umsl.edu/dissertation/896/	Wenjie He* Adrian Clingher Qingtang Jiang Yuefeng Wu
August 2019	William Brummond	Kirkman Triple Systems of Order n with Minimum Block Sum equal to n, for Access Balancing in Distributed Storage	https://irl.umsl.edu/dissertation/870/	Ravindra Girivaru* David Covert Ronald Dotzel Prabhakar Rao Yuefeng Wu
August 2019	George Gerules	Enhancing Scalability in Genetic Programming with Adaptable Constraints, Type Constraints and Automatically Defined Functions	https://irl.umsl.edu/dissertation/867/	Cezary Z. Janikow* Uday Chakraborty** John Aleshunas Mark Hauschild
December 2018	Salahddeen Khalifa	Divisibility in the Stone-Cech Compactification of N	https://irl.umsl.edu/dissertation/792/	Ronald Dotzel* Adrian Clingher Ravindra Girivaru Prabhakar Rao
May 2018	Khulud Ziadi	Highly Symmetric Multiple Bi-Frames for Curve and Surface Multiresolution Processing	https://irl.umsl.edu/dissertation/750/	Qingtang Jiang* Haiyan Cai Wenjie He Yuefeng Wu
May 2017	Hanan Alkhidhr	Correspondence between Multiwavelet Shrinkage/Multiple Wavelet Frame Shrinkage and Nonlinear Diffusion	http://irl.umsl.edu/dissertation/630/	Qingtang Jiang* Haiyan Cai Wenjie He Yuefeng Wu
May 2017	Sumudu S. Kalubowila	Mathematical Approaches to Digital Image Inpainting	http://irl.umsl.edu/dissertation/629/	Qingtang Jiang* Haiyan Cai Wenjie He Yuefeng Wu
May 2015	Maria Van der Walt	Wavelet Analysis of Non-Stationary Signals with Applications	https://irl.umsl.edu/dissertation/195/	Charles Chui* Haiyan Cai** Qingtang Jiang Wenjie He Yuefeng Wu
May 2014	Lihua (Tom) Li	Basis Function Approaches for Two Dimensional Cochlear Models	https://irl.umsl.edu/dissertation/259/	Charles Chui* Uday Chakraborty Wenjie He Henry Kang
December 2013	Mark W. Hauschild	Using Prior Knowledge and Learning from Experience in Estimation of Distribution Algorithms	https://irl.umsl.edu/dissertation/263/	Cezary Janikow* Sanjiv Bhatia Uday Chakraborty Henry Kang
May 2013	John J. Aleshunas	GP Representation Space Reduction Using a Tiered Search Scheme	https://irl.umsl.edu/dissertation/311/	Cezary Janikow* Sanjiv Bhatia Uday Chakraborty Wenjie He

Year	Name	Dissertation Title	Electronic Dissertation Link	Committee (*chair, **co-chair)
May 2012	Rosalie Wheeler	Function estimation of irregularly spaced data with long memory dependence	https://irl.umsl.edu/dissertation/369/	Haiyan Cai* Ron Dotzel Wenjie He Qingtang Jiang
December 2011	Robert Murphy	Partial Connectivity in Wireless Sensor Networks	https://irl.umsl.edu/dissertation/402/	Haiyan Cai* Adrian Clingher Wenjie He Nevena Maric
December 2011	James J. Smith	Geometric Structures on Matrix-valued Subdivision Schemes	https://irl.umsl.edu/dissertation/408/	Qingtang Jiang* Charles Chui Wenjie He Henry Kang
August 2009	Weiwei Zhu	The Multilevel Structures of NURBs and NURBlets	https://irl.umsl.edu/dissertation/509/	Wenjie He* Charles Chui Haiyan Cai Qingtang Jiang
August 2006	David Stamps	Markov Chain Monte Carlo Methods for Regression Splines with a Penalized Acceptance Ratio	https://irl.umsl.edu/dissertation/600/	Haiyan Cai* Charles Chui Ron Dotzel Qingtang Jiang
August 2006	Eric Mason	Image Segmentation by Energy and Related Functional Minimization Methods	https://irl.umsl.edu/dissertation/601/	Charles Chui* Haiyan Cai Wenjie He Henry Kang
May 2006	Rokhaya Daba Ndao	Subdivision Schemes for the Design and Rendering of 3-D Surfaces		Charles Chui* Sheilah Clarke Ekong Wenjie He Qingtang Jiang**
December 2005	Karen Wurdack	Hierarchical Kalman Filtering		Charles Chui* Haiyan Cai** Qingtang Jiang Ta-Pei Cheng