

2018 Graduate Research Conference: Poster Presentations April 9th 5:30-7:30pm Whittemore Center Arena

Last	First	Discipline	Dept.	Deg.	Title
Ahmad-Kahloon	Zachary	Public Health	HMP	MPH	LGBTQ+ Survivors of Interpersonal Violence: A Rape Crisis Center Toolkit
Anthony	Mark	Nat Resrces & Envirn Stdy	NRES	PHD	Local and global scale AMF realized niches
Bagheri	Mahdi	Physics	PHYS	PHD	Polarization of TGFs and X-rays from natural and rocket-triggered lightning and its association with source geometry
Baril	Erika	Education:Child & Youth Comm	EDUC	PHD	Connecting Professional Development to COS Data Quality: Preparation and Ongoing Support to Staff Engaging in the COS Process
Beaudoin	Lauren	Occupational Therapy (LEND)	OT	MS	RENEW RCT follow up study
Bennett	Jacob	Education	EDUC	PHD	What's Wrong with "Right to Work" in New Hampshire?: A Genealogy of Law, and a Study in Legislative Persistence
Biles	Drummond	Mechanical Engineering	ME	PHD	High-Fidelity PIV of a Naturally Grown High Reynolds Number Turbulent Boundary Layer
Bilynsky	Natalie	RMP:Adaptive Sports	RMP	MS	Perceived Competencies of Adaptive Sports Professionals: A Delphi Study
Bingham	Sam	Physics	PHYS	PHD	Van Allen Probe Observations of Chorus Wave Activity, Source and Seed electrons, and the Radiation Belt Response During ICME and CIR Storms
Boeckeler	Kori	Education (LEND)	Institute on disability	MS	Public Policy and Legislative Advocacy: Working to Influence Change
Breton	Connor	NatRsrc:Forestry	NR	MS	Invisible Trees and Meeting Management Needs: Forest Inventory for Unique, Sparse, and Clustered Forest Components
Breza	Lauren	Nat Resrces & Envirn Stdy	NRES	PHD	Soil management practices drive microbial uptake of carbon and nitrogen in agricultural soils
Bright	Elizabeth	Chemistry	CHEM	PHD	Hyperbranched single-chain nanoparticles through intra-chain atom transfer radical polymerization
Bryan	Victoria	Psychology	PSYC	PHD	Friends that creep together: Factors predicting electronic surveillance in romantic partners
Bunds Schuh	Kristine	Sociology	SOC	MA	Migration Efficiency of College-Educated Domestic Migrants in Urban and Rural U.S. Counties
Burke	Jordan	Sociology	SOC	PHD	A Specter of Death: Drug-Induced Mortality Rates and the Power of Place
Calawa	Jennifer	Microbiology	MICR	MS	Uncovering A Potential Symbiotic Phenotype Regulator in Vibrio fischeri
Chen	Ruiwen	Chemistry	CHEM	PHD	Effect of pendant groups on fabrication of poly(norbornene imide) single-chain nanoparticles

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Clarizia	Paige	Earth Sciences	ESCI	MS	Trace gas emissions from fluvial wetlands in the Ipswich River, Massachusetts
Coleman	Rachel	Sociology	SOC	MA	Predictors of Educational Attainment Difference in the Northern Territory, Australia
Corcoran	Nate	Oceanography	ESCI	MS	Temporal and Spatial Variability in Sediment Texture on Northern, Paraglacial Beaches: New Hampshire
Cserna	Bence	Computer Science	CS	PHD	Value Directed Exploration in Multi-Armed Bandits with Structured Priors
DeBarcelos	Carina	Public Policy	CSPP	MPP	Geographic and Student Mobility: Rural Trends of Pupils and Residents Living in Massachusetts and Colorado Public School Districts, 2008-2016
DeGenring	Liza	Agricultural Sciences	ANFS	MS	Effect of substrate on efficacy of biofungicides to control Pythium root rot
DelGreco	Jessica	Earth Sciences	ESCI	MS	Four years of UAS Imagery Reveals Vegetation Change Due to Permafrost Thaw
Diaz	Krystalle	Microbiology	MICR	MS	All These Hosts Are Yours: Microbial Assemblage in Benthic Meiofauna
Disenhof	Corinne	Civil Engineering	CIE	MS	Rockfall Hazard Assessment using Digital Geospatial Data and Smart Rock Technology
Dorata	Eric	RMP:Recreation Admin	RMP	MS	Repositioning of Perceived Benefits
Eaton	Claire	Natural Resources	NR	MS	Science Diplomacy in the Atlantic Arctic: Assessing Potential Expansion of the Distributed Biological Observatory (DBO) to the Baffin Bay-Davis Strait Area
Eggert	Sarah	Microbiology	MICR	MS	Functional and Evolutionary Analysis of Novel Type Three Secretion Sys. Effectors Associated with Environmentally and Clinically Prevalent <i>Vibrio parahaemolyticus</i> from the North Atlantic U.S. Coast
Eghtesad	Adnan	Mechanical Engineering	ME	PHD	Compact reconstruction of orientation distributions using generalized spherical harmonics to advance large-scale crystal plasticity modeling: Verification using cubic, hexagonal, and orthorhombic polycrystals
Elliott	Korth	Biochemistry	BCHM	PHD	Characterization of the Antifreeze Protein ApAFP752
Ennis	Nathaniel	Microbiology	MICR	MS	Climate and Geology affect the Global Stone Microbiome
Erickson	Joy	Education	EDUC	PHD	Examining Primary Students' Perceptions of a Reading Intervention Occurring at a Thematic Camp: A Qualitative Case Study of Motivation
Evans	Alexandra	Earth&Environmental Sci	NRES	PHD	A Comparison of Imagery Collection Methods for Rendering 3D Models of River Landscapes Using Structure-from-Motion and Small Unmanned Aerial Systems
Ewert	Anne	BSCI:Integrative&Organismal	BSCI	MS	An Investigation of Water and Aerosols as Pathways for Cyanobacteria Toxins from Lakes to Crops
Fahnestock	Maria	Earth and Environmental Science	NRES	PHD	Mercury cycling in a sub-arctic mire: Insights from Stordalen, Abisko Sweden

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Ferdous	Farah	Electrical&Comp Engineering	EE	MS	Wireless Sensor System based Occupancy Detecting Technique for Energy-Efficient Building
Fernandes	Nancy	Biochemistry	BCHM	PHD	The role of Replication Protein A large subunit family in pathogen-induced DNA damage.
Fitzgerald	Ryan	Chemistry	CHEM	MS	Synthesis of Oxepin Substrates for Comparative Two Electron Oxidation Studies with Cerium Ammonium Nitrate and Cytochrome P450
Fogg	Linda	Sociology	SOC	MA	Demographic Change and the Crime Rate
Fornauf	Beth	Education	EDUC	PHD	Troubling the Axis of Teacher Education: Maxine Greene and the Disability Curriculum
Fosher	Holly	RMP:Recreation Admin	RMP	MS	Managing and Marketing Trails: PESTEL Analysis
Fournier	Victoria	RMP:Recreation Admin	RMP	MS	Accessibility and Constraints to Municipal Recreation in New England
Francoeur	Miranda	Psychology	PSYC	PHD	The influence of mediodorsal thalamus on the development of prefrontal neuronal responses in rats learning the DNMTTP task
Fuentes	Anthony	Earth Sciences: Geology	ESCI	MS	A High Resolution Magnetostratigraphy of the K-Pg Boundary Interval Corral Bluffs Denver Basin, Denver, Colorado
Gao	Chao	Mechanical Engineering	ME	PHD	Mechanics of Bio-Inspired, 3D-Printed Composites with Sutural Tessellation
Ghorbanpour	Saeede	Mechanical Engineering	ME	PHD	Low cycle fatigue behavior of WE43 rare earth magnesium alloy
Ginn	Katherine	Education:Child & Youth Comm	EDUC	PHD	Reviewing the Literature on Race-Focused Teacher Education and Professional Development
Gloekler	Melissa	Civil Engineering	CIE	PHD	Monitoring, detection and transport of submerged heavy crude oils
Gupta	Richa	Molec & Evol Systems Biology	MCBS	PHD	Structural basis for allosteric regulation of cone PDE6 induced by binding of cGMP and P γ to the regulatory GAF domains
Han	Weiguo	Biochemistry	BCHM	PHD	The tumor microenvironment protects against Ibrutinib but not Rituximab-mediated control of Waldenström macroglobulinemia (WM) in vivo
Hancock	Casey	Natural Resources	NR	MS	Bringing Everyone to the (Dinner) Table: An analysis of public participation in New England food policy councils
Hardy	Ashley	Nutrition (LEND)	Institute on disability	MS	Making a Case for Living Wage: Employment Trends for Adults with Developmental Disabilities in New Hampshire
Harrington	Sean	Kinesiology	KIN	MS	Results from The Outdoor Orientation Benchmarking Survey
Harris	Crysta	Biological Sci:Agricultural	ANFS	MS	Evaluating potential for nitrogen immobilization in wood chip and wood fiber substrates and the effects on plant performance with container-grown petunia

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Hartford	Brianna	Occupational Therapy (LEND)	OT	MS	Filling the Health Care Genetics Gap
Hastings	Jack	Natural Resources	NR	MS	Putting biodiversity on the map: Fusion of hyperspectral and LiDAR data to map Harvard Forest
Healy	Christine	NatRsrc:Wildlife&Cons Biology	NR	MS	Agent-Based Modeling of Moose-Winter Tick Relationships at Local and Regional Scales in Northern New Hampshire
Healy	Olivia	RMP:Recreation Admin	RMP	MS	The Sports Specialization of Division 1 Female Athletes
Heim	Eric	Earth Sciences	ESCI	MS	Asian Dust Observed during KORUS-AQ Facilitates the Uptake and Incorporation of Soluble Pollutants
Horruitiner	Christopher	Earth Sciences: Geology	ESCI	MS	Submerged Aquatic Macrophytes Affecting Carbon and Methane Dynamics in Discontinuous Permafrost Lake Systems
Hoyt	Virginia	Natural Resources	NR	MS	Control of Phosphorus Dynamics between Soil, Groundwater and Stream Compartments of a Tropical Montane Watershed
Irwin	Michael	Biochemistry	BCHM	PHD	Molecular architecture of the PDE6 activation complex during visual transduction
Kates Varghese	Hilary	Oceanography	ESCI	PHD	The Influence of Ocean Mapping Multibeam Echosounders on the Foraging Behavior and Effective Soundscape of Cuvier's Beaked Whales in Southern California
Kazan	Theodore	Psychology	PSYC	PHD	INDIVIDUAL DIFFERENCES IN RESPONDING TO BUPROPION OR VARENICLINE IN A PRECLINICAL MODEL OF NICOTINE SELF-ADMINISTRATION VARY ACCORDING TO INDIVIDUAL DEMAND FOR NICOTINE REINFORCEMENT
Kennedy	Reeve	Sociology	SOC	PHD	Anticipated Guilt and Parenting: An Etiological Approach to the Gender Gap in Delinquency
Kindrat	Laszlo	Mathematics	MATH	PHD	Numerical Spectral Analysis of the Euler-Bernoulli Beam Model with Non-conservative Boundary Control
Knecht	Richard	Earth Sciences: Geology	ESCI	MS	The Structure, limits, and drivers of daphnid diversity: Understanding the paradox of Azischohos Lake, Maine
Knott	Jayne	Civil & Environmental Engineering	UCIRC	PhD	Adaptation Planning to Mitigate Coastal Road Pavement Damage from Groundwater Rise Caused by Sea Level Rise
Koetje	Kara	Ocean Engineering	OE	MS	Observations of transitional tidal boundary layers and their impact on material transport in the Great Bay, NH
Kramer	Sean	Electrical&Comp Engineering	EE	MS	Variable and Data Type Identification from Binary Code
Kyker-Snowman	Emily	Earth&Environmental Sci	NRES	PHD	Different mechanisms of soil microbial response to global change result in different outcomes in the MIMICS-CN model
Lacasse	Savanah	Communication Sciences & Disorders (LEND)	CSD	MS	EHDI: Improving Family Experience with the Newborn Hearing Screening process
Langley	Katharine	BSCI:Integrative&Organismal	BSCI	MS	Characterizing Cyanobacteria Aerosols from New England Lakes: Effect of Trophic Status and Diel Differences

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Levintov	Lev	Chemical Engineering	CHE	PHD	Molecular Dynamics Study of DNA-DPD System
Lippincott	Sarah	Communication Sciences & Disorders (LEND)	CSD	MS	Telling their Stories: A look at the Health Families America Home Visiting Program Qualitative Data
Liu	Lei	Mechanical Engineering	ME	PHD	Hyperelastic Softening Model on the Mixed-Mode I/II Damage Evolution of 3D-Printed Soft Interfacial Layer
Lo	Hung Yuan	Human Devel & Family Studies	HDFS	MS	family structure and romantic intensity
Lydakias	Andreas	Computer Science	CS	MS	Optimization of Control Measures Against Invasive Species
Macartney	Keir	Molec & Evol Systems Biology	MCBS	PHD	Compound Specific Isotopic Analysis of Amino Acids and the Trophic Ecology of Xestospongia muta From Shallow to Mesophotic Depths
Madea	Kelsey	Occupational Therapy (LEND)	OT	MS	New Hampshire Disability and Public Health Project
Mathiasson	Minna	BSCI: Integrative & Organismal	BSCI	MS	A Historical Perspective on Wild Bee Biodiversity in New Hampshire
Matissek	Stephan	Biochemistry	BCHM	PHD	GLI3 mediates TLR-induced innate inflammatory response
McGinnis	Ian	NatRsrc: Environmental Econ	NR	MS	Shade-grown coffee adoption on neighboring farms: complements, substitutes, or negative spillovers?
McKinney	Monica	Social Work (LEND)	SW	MSW	Legislative Action and Advocacy
McLarney	John	Biochemistry	BCHM	MS	Characterization of a Protein Acyltransferase-14 Mutant in Arabidopsis thaliana Using Proteomics and Growth Assays
Means	Jillian	Microbiology	MICR	MS	Characterizing the impact of an active filamentous bacteriophage on local Vibrio parahaemolyticus lineages
Mehrkash	Milad	Civil Engineering	CIE	PHD	Model updating and condition assessment of the Memorial Bridge
Mills	Ian	Genetics	GEN	PHD	The Role of RPA1 Paralogs in Double Stranded DNA Break Repair
Miroshnichenko	Kateryna	Mechanical Engineering	ME	PHD	Mechanical Modeling of Biological Sutures with Fibrous Joints
Mitchell-Ward	Rebecca	Education (LEND)	Institute on disability	MS	Transition Policy
Mohammadi	Mohammadjavad	Chemical Engineering	CHE	PHD	Molecular Dynamics Studies of Regulators of Signaling Proteins Inhibitors
Moore Masison	Susan	Nursing (LEND)	Institute on disability	MS	Complex Care Network

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Moschella	Elizabeth	Psychology	PSYC	PHD	Action and Reaction: The Impact of Consequences of Intervening in Situations of Interpersonal Violence
Moyer	Pamela	Earth&Environmental Sci	NRES	PHD	Spatial and Temporal Variations in Earthquake Stress Drop on Gofar Transform Fault, East Pacific Rise: Implications for Fault Strength
Nemati	Rasool	Civil Engineering	CIE	PHD	Layer coefficient for New Hampshire Pavement design
Nguyen	Thanh Tam	Economics	ECON	PHD	Do Ban the Box Laws \square Increase Crime?
Nordyke	Christopher	Biochemistry	BCHM	PHD	Structural Characterization of the Polar Organizing Protein Z Using NMR Spectroscopy
O'Brien	Brandon	BSCI: Marine Biology	BSCI	PHD	Fish and the decline of kelp in the Gulf of Maine
Odanaka	Katherine	BSCI: Integrative&Organismal	BSCI	MS	The effects of land use and agricultural legacies on wild bee communities
Ohoueu	Marie-Josiane	Chemistry	CHEM	PHD	A race against microbial resistance: Development of thiol containing open lactam analogues targeting metallo-beta-lactamases
Olmstead	Morgan	BSCI: Integrative&Organismal	BSCI	MS	Characterization of burying beetle (<i>Nicrophorus</i> spp.) microbiomes: Insights into the ecology and evolution of four North American species
Oppenheimer	Robert	BSCI: Integrative&Organismal	BSCI	MS	Population Structure and Social Plasticity of the Australian Small Carpenter Bee, <i>Ceratina australensis</i>
Orde	Kaitlyn	Agricultural Sciences	ANFS	MS	Effects of low tunnels on performance of the day-neutral cultivar 'Albion' in the Northeastern US
Pisani	Michael	RMP: Recreation Admin	RMP	MS	Importance-Performance Analysis of Strength-Training Activities Offered at a University Recreation Center
Powers	Samantha	RMP: Recreation Admin	RMP	MS	International Recreation Experiences as Predictors of Intercultural Sensitivity Among Study Abroad Students
Powers	Samantha	RMP: Recreation Admin	RMP	MS	Connecting Multi-Use Trails to New Hampshire Downtowns: Insights about the Built Environment through the Quantification of a Downtown Trails Matrix
Ray	Aliza	BSCI: Marine Biology	BSCI	MS	Does ocean acidification impact winter flounder (<i>Pseudopleuronectes americanus</i>) otoliths?
Reville	Erinn	Chemistry	CHEM	PHD	Synthesizing single-chain nanoparticles: bio-inspired functionality via isocyanide-based multicomponent reaction chemistry
Riffle	Jake	Physics	PHYS	PHD	Imaging atomic vacancies in commercially available black phosphorus
Rizzo	Drew	Psychology	PSYC	PHD	The Role of Campus-Based Advocacy & Prevention Professionals in Campus Culture Change
Robidoux	Jaclyn	BSCI: Marine Biology	BSCI	MS	Diversifying New England Sea Vegetable Aquaculture: Modifying Kelp Nursery and Grow Out Technologies for Nori Production

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Rounds	Megan	Communication Sciences & Disorders (LEND)	CSD	MS	New Hampshire's Special Medical Services Developmental Screening Survey Results, 2017-2018
Ryan	Mary Ellen	Nursing (LEND)		MS	Improving Children's Health Outcomes through promotion of Parent Empowerment
Ryan	Marianne	RMP:Recreation Admin	RMP	MS	Perceptions of Health-related Quality of Life Among Youth with Intellectual and Developmental Disabilities who Participate in a School-based Therapeutic Recreation Program
Searles	Rebecca	Social Work (LEND)	Institute on disability	SW	Children's Behavioral Health Training
Sessarego	Stephanie	Psychology	PSYC	PHD	Using Latent Class Analysis to Identify Patterns of Power-Based Personal Violence Victimization and Perpetration Among Adolescents
Shell	Wyatt	BSCI:Integrative&Organismal	BSCI	PHD	Differential gene expression in a facultatively eusocial small carpenter bee (<i>Ceratina japonica</i>)
Smith	Julie	Family (LEND)	Institute on disability	MS	NH Parent Information Center Develops Online Module to Increase Accessibility to Transition Trainings for Parents
Smith	Joshua	Molec & Evol Systems Biology	MCBS	PHD	Epidemiology and prevalence of methicillin-resistant <i>Staphylococcus</i> species in veterinary animals
Spillane	Jennifer	Molec & Evol Systems Biology	MCBS	PHD	Sequencing and assembly of field-collected sponge genomes
Stafford	Nathaniel	Psychology	PSYC	PHD	Ultrasonic vocalizations and stress resilience: Behavioral and neurobiological correlates
Stefon	Minori	Education:Child & Youth Comm	EDUC	PHD	Unique Features of Ethnic Identity Development among Emerging Adults Who Had Been Adopted Transnationally as Children
Sterpka	Christopher	Physics	PHYS	PHD	Balloon Borne Instrumentation for Detection of Gamma Ray Glows
Swanson	Erik	Microbiology	MICR	PHD	Dioxin-like compound degradation by <i>Frankia</i> Eu11c and EUN1f.
Sylvia	Heather	Sociology	SOC	PHD	The Great Recession and Mental Health Outcomes
Terrelonge	Christine	Social Work (LEND)	SW	MSW	Organizational Restructuring
Tisell	Honora	NatRsrc:Wildlife&Cons Biology	NR	MS	Space use and microhabitat associations of the southern red-backed vole (<i>Myodes gapperi</i>) at the Bartlett Experimental Forest, New Hampshire
Tomaino	Ceara	Earth Sciences	ESCI	MS	Examining the differences in "clumped-isotope" signatures of aragonitic and calcitic benthic foraminifera
Vargas	Korik	NatRsrc:Environmental Consvtn	NR	MS	Developing spectral metrics as early indicators of water stress detection at the canopy level
Vieira	Julia	Public Policy	CSPP	MPP	Demographic Characteristics of Immigrant Workers in the United States

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Wang	Weiyuan	Molec & Evol Systems Biology	MCBS	PHD	Epigenetic Regulation of Sphingolipid Metabolism in Acute Myeloid Leukemia
Warren	Nicholas	Earth and Environmental Science	NRES	PHD	Nitrogen Form Affinities of Crop and Weed Species: Uncovering a Belowground Driver of Competition
Wasti	Sambid	Physics	PHYS	PHD	Modeling the background for a balloon borne experiments.
Wengrove	Meagan	Ocean Engineering	OE	PHD	On the Time Dependence for Growth and Transformation of Combined Wave-Current Bedforms in the Nearshore
Whitmore	Emily	Sociology	SOC	PHD	THE USE OF SCIENTIFIC INFORMATION IN NEW ENGLAND AQUACULTURE
Williams	Christopher	Psychology	PSYC	PHD	Validating Anaphors of Explicit and Implicit Antecedents
Wirsing	Jochen	Sociology	SOC	PHD	The demographic impact of the 2008 Recession - a European Perspective
Wormell	Zachary	Social Work (LEND)	SW	MSW	Re-defining the Relationship between Poverty and Disability
Zecevic	Miroslav	Mechanical Engineering	ME	PHD	Visco-plastic self-consistent modeling of high strain rate and impact deformation of tantalum
Zhang	Zhiming	Electrical&Comp Engineering	EE	MS	FPGA-Oriented Moving Target Defense against Security Threats from Malicious FPGA Tools
Zhou	Yuxin	Biochemistry	BCHM	PHD	Phosphoproteomics Study Using AC3-deficient Mice