

# Mickey Jarvi

Graduate Student

School of Forest Resources & Environmental Science

Michigan Technological University

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## Education

**Michigan Technological University, Houghton, MI** 2009-Current

MS - Forest Ecology and Management

Research – Temperature acclimation of the fine roots of woody plants to experimental warming in a sugar maple dominated northern hardwood forest

Advisor: Dr. Andrew Burton

**Michigan Technological University** 2007-2009

BS - Forestry

BS - Wildlife Ecology and Management

Magna Cum Laude

**Edison Community College** 2000-2002

AA – Biology

Honors

## Professional Licenses

American Tree Farm Inspector 2008-Present

## Academic/ Teaching Experience

Teaching Assistant: Forest Ecology 2009-Present  
Michigan Tech. University, FW3020

Teaching Assistant: Inventory, Monitoring, and Data Analysis 2009  
Michigan Tech. University, FW3200

Teaching Assistant: Vegetation Modeling 2009  
Michigan Tech. University, FW4140

Teaching Assistant: Botany 2008  
Michigan Tech. University, BL2160

Guest Lecturer: Wildlife Habitat (one lecture) 2007  
Michigan Tech. University, FW3600

## Presentations

Soil Science Society of America, National Conference, Long Beach, CA 2010  
Presentation, Co-author

Awarded Best Paper

Response of fine root respiration and root N to soil warming in hardwood forests

A. Burton, R. McDonald, **M. Jarvi**, S. Butler, J. Melillo

Michigan Technological University Capital Campaign, MTU, MI	2010
Poster	
Response of northern hardwood root respiration to warmer soils	
M.P. Jarvi, A.J. Burton	
Ecological Society of America, National Conference, Pittsburg PA	2010
Poster	
Response of northern hardwood root respiration to warmer soils	
M.P. Jarvi, A.J. Burton	
Ecosystem Science Center Graduate Research Forum, MTU, MI	2010
Poster	
Merit Award for Best Poster	
Temperature acclimation of fine roots to soil warming in a sugar maple dominated northern hardwood forest	
M.P. Jarvi, A.J. Burton	

## Grants

Horner Northern Hardwood Research Fellowship	2010
\$2,000.00	
Research in sugar maple dominated northern hardwood forest to investigate effects of climate change on net primary productivity	
Ecosystem Science Center, Graduate Research Grants, MTU, MI	2010
\$1,000.00	
Respiration and temperature acclimation of woody tree roots in a northern peatland system	

## Professional Experience

Timber Crew, U.S. Forest Service, Boise National Forest, ID	2008
Identify plants and trees	
Land navigation with GPS, compass, topographical maps	
Tree making for timber harvest	
Stand inventory	
Field Technician, Michigan Tech. University, MI	
Winter deer yard assessment, various sites across Michigan	2007
GPS navigation to plots	
Data collection and recording	
Tree and plant identification	
Michigan Gradient Study, various sites across MI, MTU	2007-Present
Measure tree diameter at breast height	
Soil respiration measurements	
Root respiration measurements	
Soil core and root biomass collection	
Determine tree species and health assessment	
Ford Forestry Center soil warming study, MTU, Alberta MI,	2009-Present
Study design plot layout	
Construction of infrastructure to support study	
Soil respiration measurements	
Root respiration measurements	

Determine tree species and health assessment  
Inventory tree species composition

Harvard University Soil warming study, MTU, Petersham MA 2009  
Root respiration measurements

FACE Study Site, MTU, Rhinelander, WI 2010-Present  
Soil respiration  
Leaf litter collection  
Micrometeorological data

Lab Technician, Michigan Tech. University, MI 2007-Present  
Michigan Gradient study/FACE/Ford Warming  
Prepare and correctly catalog study site data  
Be familiar with laboratory equipment and their maintenance  
Practice laboratory safety

### Technical Forestry Skills

- Tree and Plant Identification
- Forestry Instruments
- Timber Marking
- GPS Units (including Trimble)
- Forest Health Assessment
- I-100, S-130, and S190 Firefighter
- Type-2 Wildland Firefighter
- Fluent with Word Processing, Spreadsheets and Presentations
- ArcGIS Desktop 10, ArcMap and ArcCatalog
- Vegetation Modeling, including Forest Vegetation Simulation
- Defensive Driving Certified (Forest Service)
- C.P.R./A.E.D. and Standard First Aid Certified (Forest Service)

### Professional/ Academic Honors

Best Paper Award, SSSA Annual Meeting, Long Beach, CA 2010  
Graduate Teaching Assistant of the Year, MTU., MI 2010  
Outstanding Graduate Student of the Year Honorable Mention, MTU, MI 2010  
Magna Cum Laude, B.S., MTU, MI 2008  
Xi Sigma Pi, Honor Society 2008  
Honors Program, Edison College, FL 2002

### Professional Development

Ecological Society of America national conf., presenter, Pittsburg, PA 2010  
Society of American Foresters national conf., attendee, Orlando, FL 2009  
Society of American Foresters national conf., attendee, Reno, NV 2008

### Research Interests

- Ecosystem ecology
- Soil science
- Forest ecology
- Forest response to global climate change
- Nutrient cycling in forested systems

**Professional Affiliations**

- Ecological Society of America
- Society of American Foresters
- American Tree Farm
- International Wolf Center, Ely, MN
- Michigan Tech. University Society of American Foresters Forestry Club

**References**

Available upon request