

Harvard Plant Biology Symposium 2015 Poster Session

Wednesday, May 6th

Light Harvesting of Bacterial Reaction Center for Electrochemical Emission

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Carbon Cycle Data-Model Integration in the Classroom

Authors: Michael Dietze, Dave Moore, Jason McLachlan

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Interactive Effects of Photoperiod, Temperature, and Chilling on Phenology Across Latitudes

Authors: Dan Flynn, Tim Savas, Lizzie Wolkovich

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Modeling the Impact of Hydraulic Redistribution on Carbon Cycles Using CLM4.5 at Three AmeriFlux Sites

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Forest Tolerance of Young Leaves: Implications for Climate Change, Forests and the Success of Invasive Shrubs in Thoreau's Concord

Authors: Amanda S. Gallinat, Richard B. Primack, Guangyou Hao

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The Impact of Dew Deposition on the Leaf Energy and Water Cycles

Authors: Cynthia Gerlein-Safdi, Kelly K. Caylor, Craig J. Sinkler

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Convergence in the Temperature Response of Leaf Respiration Across Biomes and Plant Functional Types

Authors: Mary Heskell, Odhran O'Sullivan, Peter B. Reich, Mark G. Tjoelker, Lasantha Weerasinghe, Aurore Penillard, John J.G. Egerton, Danielle Creek, Keith J. Bloomfield, Jen Xiang, Felipe Sinca, Zsofia R. Stangl, Kevin L. Griffin, Vaughan Hurry, Patrick Meir, Matthew H. Turnbull, Owen K. Atkin

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Glutathione Regulates Changes in Root Architecture Resulting From Sulfur Nutrient Limitation

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New Approaches to Forest Ecophysiology: Insights in Ecosystem Function From Nonstructural Carbohydrate Analysis, Thermal Imaging, and Aerial Photography

Authors: Stephen T. Klosterman, Morgan Furze, Donald M. Aubrecht, Sidni Frederick, Arturo Martinez, Brett Hugggett, Claire Stolz, Mariah Carbone, Brent R. Helliker, Andrew D. Richardson

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The Importance of Chloroplast Movement, NPQ, and Growth Light Environment on Fitness of *Arabidopsis thaliana*

Authors: Martina Koniger, Mia Howard, Zahra Pirani, Nhi Van, Andrea Bae, Kristin Oleskewicz
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Sustainable Development of the Amazon and Its Surrounding Regions: The Interplay of Changing Climate, Hydrology, and Land Use

Authors: Eunjee Lee, Fabio Farinosi, Mauricio Arias, Paul Moorcroft
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The Evolution of Staminodia in *Aquilegia*

Authors: Clara Levy, Bharti Sharma, Faye Rosin, Elena Kramer
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The PEcAn Project: Reconciling Model and Data Constraints on Productivity

Authors: Joshua Mantooth, Rob Kooper, Toni Viskari, Michael Dietze
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A Long Term View of Forest Response to Environmental Change: 25 Years of Studying Harvard Forest

Authors: J William Munger, Evan Goldman, Steve Wofsy, Dave Orwig, Dave Foster
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Canopy Diversity and Ecosystem Functioning in North American Forests

Authors: S. Ollinger, J. Xiao, R. Guerrieri, L. Lepine, H. Asbjornsen
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Will Modeling Demographic Differences in Xylem Vulnerability Improve Drought Response Predictions of Tropical Forests?

Authors: Thomas Powell, Xiangtao Xu, ACL da Costa, Patrick Meir, David Medvigy, Scott Saleska, Paul Moorcroft
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Plant Evolutionary Response to Stochastic Pollen Receipt: Increase the Mean, Reduce the Variance, or Bet on a Bonaza?

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The Competition Between Liquid and Vapor Transport in Transpiring Leaves

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Drivers of Ecosystem Variability in Models and Data for the Past Millennium

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The Anatomy of Transport: How Do Tall Trees Get Carbon to Their Roots?

Authors: Jessica A. Savage, Michael Knoblauch, S Beecher, J. Knoblauch, N. Michele Holbrook
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Impact of Animal Pollinator Declines on Human Nutrition and Global Health

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Costs to Interspecific Hybridization in a Phlox Species Complex

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Ecosystem-Scale Photosynthesis and Respiration at the Harvard Forest Determined by Three Years of Isotopic Eddy Covariance

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Using Spectral Reflectance Signatures and Chlorophyll Fluorescence to Investigate Plant Physiology and Ecosystem Functions

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Solar-Induced Chlorophyll Fluorescence Correlates with Canopy Photosynthesis on Diurnal and Seasonal Scales in a Temperate Deciduous Forest

Authors: Xi Yang, Jim Tang, John Mustard, Jung-Eun Lee, Micol Rossini, Joanna Joiner, J.W. Munger, Ari Kornfeld, Andrew Richardson

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