

TOPIC: SAFETY

TREE Fund Awards as of 10/2017*



Year	Awardee	Organization	Project Title
2017	Dr. Brian Kane	University of Massachusetts Amherst	Arboricultural Safety Around the World
2017	TCIA Foundation	TCIA Foundation	Arborist Safety Training Institute
2016	Dr. Brian Kane	University of Massachusetts Amherst	Measuring forces at multiple locations in rigging systems
2016	Dr. Justin Morgenroth	University of Canterbury	Measuring tree response to increasing root removal intensities
2016	TCIA Foundation	TCIA Foundation	Arborist Safety Training Institute
2015	TCIA Foundation	TCIA Foundation	Arborist Safety Training Institute
2014	Dr. Greg Dahle	West Virginia University	Characterizing strain and load transfer in the root flare
2013	Dr. Andrew Koeser	University of Florida	Urban Tree Risk Assessment - Perceptions, Reality & Reliability
2013	Angela Hewitt	The Morton Arboretum	Establishment and stability of large trees transplanted bare root
2013	John Goodfellow	BioCompliance Consulting, Inc.	Characterizing branch failure modes
2013	Dr. Zongliang Jiang/Dr. Steven Jiang	North Carolina A&T State University	Occupational Safety in Arboriculture
			Utilizing Space Age Digital Strain Measurement Technology to Identify Zones of Mechanical Weakness in Trees
2012	Dr. Gary Watson	The Morton Arboretum	Tree Response to pruning cuts on branches that lack collars
2012	Dr. Edward Gilman/Jason Miesbauer	University of Florida	Effects of root severance by excavation on growth, physiology and uprooting resistance of two urban tree species
2011	Dr. Alessio Fini	University of Florence	Effect of Pruning Type on Crown Motion
2011	Matt Follett	University of Quebec	Effect of Container Size on tree establishment and anchorage
2011	Dr. Edward Gilman	University of Florida	Failure potential of limbs receiving reduction of heading cuts, and of resulting sprouts, in directional, structural, or restoration pruning
2011	Dr. Ed Gilman	University of Florida	Growth and dynamic motion of cabled trees with co-dominant trunks
2010	Dr. Brian Kane	University of Massachusetts-Amherst	Effects of tree form and branch orientation on load response
2010	Dr. Edward Gilman	University of Florida	Effects of Container Types and Root Pruning on Root Quality and tree Stability
2009	Dr. Edward F. Gilman	University of Florida	Assessing the impact of decay on the structural integrity of trees
2009	Dr. Brian Kane	University of Massachusetts Amherst	Effects of root system configuration and partial excavation on tree stability
2009	Dr. Stephen Mitchell	University of British Columbia	Breaking Strength of Rigging Knots
2008	Dr. Brian Kane	University of Massachusetts	Development of Risk Assessment Criteria for Branch Failures within the Crowns of Trees
2008	John Goodfellow	BioCompliance Consulting, Inc.	Measuring Breaking Strength of Climbing Systems
2008	Dr. Dennis Ryan	University of Massachusetts	Measuring Forces and Stresses During Rigging Operations
2008	Dr. Brian Kane	University of Massachusetts	

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2008	Dr. Edward Gilman	University of Florida	Effects of Root Pruning Newly Planted and Large Trees on Decay, Root regeneration and Stability
2007	Dr. Ken James	University of Melbourne Australia	Effect of Pruning on Stability of Trees in Windstorms
2007	Dr. Edward Gilman	University of Florida	Effects of Structural Pruning on Red Maple Trunk Movement in Wind
			Improving Hazard Tree Diagnostic Tools for Arborists: How Well Do Visual Observations of Fungal Fruiting Bodies Predict Extent of Wood Decay in Urban Trees?
2007	Dr. Jason Smith	University of Florida	Evaluation of the Load-bearing Capacity of Temporary Anchor Points in Living Trees
2006	Andreas Detter	Brudi & Partner Tree Consult./Germany	Reliability of Wood Decay Indicators for Estimation of Decay and Risk in Urban Trees
2006	Dr. Christopher Luley	Urban Forestry LLC	Evaluating Staking Systems Effectiveness in Wind Storms
2006	Dr. Edward Gillman	University of Florida	Measuring Branch Architecture and Localized Wood Strength Properties to Develop Load Distribution Models
2005	Dr. Jason Grabosky	Rutgers University	The Effects of Wind on Tree Sway and Stability
2005	Dr. Mark Rudnicki	University of Connecticut	Identification of Outage-Causing Trees through Predictive Management
2005	RJ Laverne	Davey Resource Group	
2005	Dr. Brian Kane	University of Massachusetts-Amherst	Residual Strength of Carabiners and Rope Snaps After Use in Tree Climbing
2004	Dr. Brian Kane	Virginia Tech	Rope Friction During Rigging Operations
2003	Joseph Scharf	University of Massachusetts-Amherst	Rigging Speed Line Forces
2003	Ken James	Burnley College	Measuring Dynamic Wind Forces on Shade Trees
			Quantifying effects of Pruning Type and Dose on Trunk Stress From Wind Loading
2003	Dr. Edward Gilman	University of Florida	
2003	Dr. Christopher Luley	Davey Resource Group	Evaluation of the Fate of Ice Storm Damage Urban Trees
2003	Dr. Bonnie Appleton	Virginia Tech	Tree Support Systems: Trunck Staking vs. Foot Ball Anchoring
2003	Dr. Brian Kane	Virginia Tech	Testing Shade Trees for Failure Stresses and Patterns
			The Distribution of Weight in the Canopy of Deciduous Trees: Implications for Crown Thinning and Tree Support Systems
2002	Dr. John Ball	South Dakota State University	An Examination of Aerial Resue Needs in the Tree Care Industry and Evaluation of Procedures
2001	Dr. John Ball	South Dakota State University	

*Note: Website archives start in 2004.