

## TOPIC: SAFETY

### TREE Fund Awards as of 5/2025



Year	Awardee	Organization	Project Title
2024	Larwrence Kahn	Tulane Law School Utility Vegetation Management Institute	Enhancing the ANSI Z133 Safety Standard's Effectiveness with Case Studies
2024	Daniel Burcham	Colorado State University	Developing Improved Methods for Assessing the Structural Integrity of Decayed Trees
2023	Larwrence Kahn	Tulane Law School Utility Vegetation Management Institute	Can Mandatory Minimum Clearance Requirements Between Trees and Powerlines Successfully Reduce Injuries and Death to Workers and the Public?
2022	Dr. John Ball	South Dakota State University	Evaluation of Efficiencies Among Climbing Systems and Rope Diameters
2021	John Goodfellow	BioCompliance Consulting, Inc.	Characterizing the Risk of Electrical Contact to Arborists
2020	Dr. Mysha Clarke and Dr. Stephanie Cadaval	University of Florida	Enhancing collaboration amongst urban forest stakeholders – An assessment of natural hazard risk perceptions in relation to services & disservices of city trees
2019	Brian Kane	University of Massachusetts Amherst	Comparing the efficacy of pull tests versus expert opinion when assessing decay and likelihood of tree failure
2019	Matt Follett	Université du Québec à Montréal	Evaluation of load distribution in removal operations: a comparison of techniques and equipment
2019	J.M. Sparkman, Jr.	Environmental Consultants	Development of a Regional Research Approach to Modeling Tree Failure Risk
2018	Alexander Laver	Tree Logic working with Coventry University	Probability Affecting Distribution Overhead Lines <u>Optimised techniques for arboreal activities</u>
2017	Dr. Brian Kane	University of Massachusetts Amherst	<a href="#"><u>Arboricultural Safety Around the World</u></a>
2017	TCIA Foundation	TCIA Foundation	<a href="#"><u>Arborist Safety Training Institute</u></a>
2016	Dr. Brian Kane	University of Massachusetts Amherst	<a href="#"><u>Measuring forces at multiple locations in rigging systems</u></a>
2016	Dr. Justin Morgenroth	University of Canterbury	<a href="#"><u>Measuring tree response to increasing root removal intensities</u></a>
2016	TCIA Foundation	TCIA Foundation	<a href="#"><u>Arborist Safety Training Institute</u></a>
2015	TCIA Foundation	TCIA Foundation	<a href="#"><u>Arborist Safety Training Institute</u></a>
2014	Dr. Greg Dahle	West Virginia University	<a href="#"><u>Characterizing strain and load transfer in the root flare</u></a>
2013	Dr. Andrew Koeser	University of Florida	<a href="#"><u>Urban Tree Risk Assessment - Perceptions, Reality &amp; Reliability</u></a>
2013	Angela Hewitt	The Morton Arboretum	<a href="#"><u>Establishment and stability of large trees transplanted bare root</u></a>
2013	John Goodfellow	BioCompliance Consulting, Inc.	<a href="#"><u>Characterizing branch failure modes</u></a>
2013	Dr. Zongliang Jiang/Dr. Steven Jiang	North Carolina A&T State University	<a href="#"><u>Occupational Safety in Arboriculture</u></a>
2012	Dr. Gary Watson	The Morton Arboretum	<a href="#"><u>Utilizing Space Age Digital Strain Measurement Technology to Identify Zones of Mechanical Weakness in Trees</u></a>
2012	Dr. Edward Gilman/Jason Miesbauer	University of Florida	<a href="#"><u>Tree Response to pruning cuts on branches that lack collars</u></a>
2011	Dr. Alessio Fini	University of Florence	<a href="#"><u>Effects of root severance by excavation on growth, physiology and uprooting resistance of two urban tree species</u></a>

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2011	Matt Follett	University of Quebec	<a href="#">Effect of Pruning Type on Crown Motion</a>
2011	Dr. Edward Gilman	University of Florida	<a href="#">Effect of Container Size on tree establishment and anchorage</a>
2011	Dr. Ed Gilman	University of Florida	<a href="#">Failure potential of limbs receiving reduction of heading cuts, and of resulting sprouts, in directional, structural, or restoration pruning</a>
2010	Dr. Brian Kane	University of Massachusetts-Amherst	<a href="#">Growth and dynamic motion of cabled trees with co-dominant trunks</a>
2010	Dr. Edward Gilman	University of Florida	<a href="#">Effects of tree form and branch orientation on load response</a>
2009	Dr. Edward F. Gilman	University of Florida	<a href="#">Effects of Container Types and Root Pruning on Root Quality and tree Stability</a>
2009	Dr. Brian Kane	University of Massachusetts Amherst	<a href="#">Assessing the impact of decay on the structural integrity of trees</a>
2009	Dr. Stephen Mitchell	University of British Columbia	<a href="#">Effects of root system configuration and partial excavation on tree stability</a>
2008	Dr. Brian Kane	University of Massachusetts	<a href="#">Breaking Strength of Rigging Knots</a>
2008	John Goodfellow	BioCompliance Consulting, Inc.	<a href="#">Development of Risk Assessment Criteria for Branch Failures within the Crowns of Trees</a>
2008	Dr. Dennis Ryan	University of Massachusetts	<a href="#">Measuring Breaking Strength of Climbing Systems</a>
2008	Dr. Brian Kane	University of Massachusetts	<a href="#">Measuring Forces and Stresses During Rigging Operations</a>
2008	Dr. Edward Gilman	University of Florida	<a href="#">Effects of Root Pruning Newly Planted and Large Trees on Decay, Root regeneration and Stability</a>
2007	Dr. Ken James	University of Melbourne Australia	<a href="#">Effect of Pruning on Stability of Trees in Windstorms</a>
2007	Dr. Edward Gilman	University of Florida	<a href="#">Effects of Structural Pruning on Red Maple Trunk Movement in Wind</a>
2007	Dr. Jason Smith	University of Florida	<a href="#">Improving Hazard Tree Diagnostic Tools for Arborists: How Well Do Visual Observations of Fungal Fruiting Bodies Predict Extent of Wood Decay in Urban Trees?</a>

2006	Andreas Detter	Brudi & Partner Tree Consult./Germany	<a href="#">Evaluation of the Load-bearing Capacity of Temporary Anchor Points in Living Trees</a>
2006	Dr. Christopher Luley	Urban Forestry LLC	<a href="#">Reliability of Wood Decay Indicators for Estimation of Decay and Risk in Urban Trees</a>
2006	Dr. Edward Gillman	University of Florida	<a href="#">Evaluating Staking Systems Effectiveness in Wind Storms</a>
2005	Dr. Jason Grabosky	Rutgers University	<a href="#">Measuring Branch Architecture and Localized Wood Strength Properties to Develop Load Distribution Models</a>
2005	Dr. Mark Rudnicki	University of Connecticut	<a href="#">The Effects of Wind on Tree Sway and Stability</a>
2005	RJ Laverne	Davey Resource Group	<a href="#">Identification of Outage-Causing Trees through Predictive Management</a>
2005	Dr. Brian Kane	University of Massachusetts-Amherst	<a href="#">Residual Strength of Carabiners and Rope Snaps After Use in Tree Climbing</a>
2004	Dr. Brian Kane	Virginia Tech	<a href="#">Rope Friction During Rigging Operations</a>
2003	Joseph Scharf	University of Massachusetts-Amherst	Rigging Speed Line Forces
2003	Ken James	Burnley College	Measuring Dynamic Wind Forces on Shade Trees
2003	Dr. Edward Gilman	University of Florida	Quantifying effects of Pruning Type and Dose on Trunk Stress From Wind Loading
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: Trunk Staking vs. Foot Ball Anchoring
2003	Dr. Brian Kane	Virginia Tech	Testing Shade Trees for Failure Stresses and Patterns
2002	Dr. John Ball	South Dakota State University	The Distribution of Weight in the Canopy of Deciduous Trees: Implications for Crown Thinning and Tree Support Systems
2001	Dr. John Ball	South Dakota State University	An Examination of Aerial Rescue Needs in the Tree Care Industry and Evaluation of Procedures

*\*Note: Website archives start in 2004.*