Modeling Trees & Tree-Rings for Sustainable Urban Forests

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Description of Presentation

The right tree, right place is a succinct phrase meant to favor management strategies for the sustained, long-term growth of trees in the built environment. Generally, larger and longer-lived trees in good condition provide the greatest societal benefits. Allometric modeling of urban trees provide arborists and urban foresters with estimates of tree size, improving tree and site selection to achieve sustainable urban forests. Tree rings provide an objective measure of tree performance in ever changing and developing urban forests. Recent research on trunk flare diameter modeling and an objective assessment of tree response to, and performance in urban environments using tree ring analysis will be presented.

Speaker Bio

Eric is currently an Assistant Professor of Urban and Community Forestry in the Department of Forest Resources at the University of Minnesota. He joined the faculty at the University of Minnesota after successful development of an accredited 4-degree program in Regional & Community Forestry at the University of Nebraska-Lincoln. His primary responsibility is preparing students for successful careers in urban forestry and arboriculture, and conducting urban forestry research. Eric has taught and continues to teach courses in urban forestry and arboriculture for which he received an award for Excellence Teaching. Eric is also an ISA Certified Arborist.