



*Conference  
Agenda*

***The Art and Science of Trees***

*A conference hosted by the Missouri Community Forestry Council*

# Missouri Community Forestry Council

## 19<sup>th</sup> Annual Conference

March 6-8, 2012

Adams Pointe Conference Center, Blue Springs, MO



Greetings,

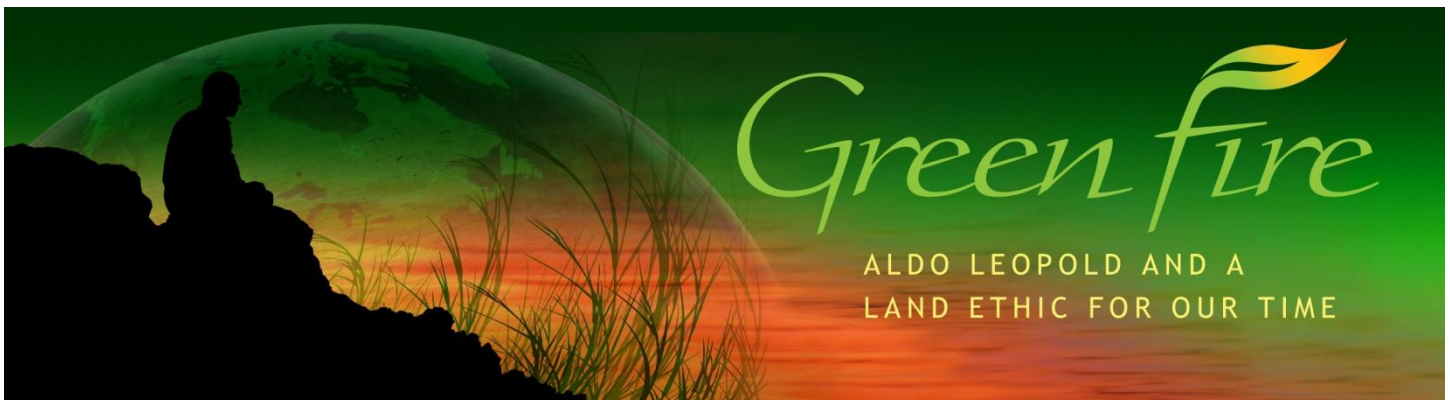
The 'Art and Science of Trees' conference is set! The 2012 Conference features two and a half days of technical presentations, field sessions and social networking opportunities for everyone. Highlights include Dr. David Nowak on the Kansas City Regional i-Tree Eco assessment, 20-year trends of street tree populations from 44 Missouri cities, sustaining large-scale tree planting initiatives, successfully using volunteers and social media to expand programming, green infrastructure BMPs, field tours of the Linda Hall Library grounds and the Nelson-Atkins Art Museum, a showing of the Aldo Leopold documentary film "*Green Fire*" and many others. See conference schedule on the following pages for complete opportunities and speaker information. Coupled with an **early registration price of only \$160**, this is a fantastic educational and networking value. Registration materials will be available mid-December at [www.mocommunitytrees.org](http://www.mocommunitytrees.org)

I truly look forward to seeing you in March.

Sincerely,

*Charles C Conner*

2012 MCFC Conference Chairman



***Early bird registration deadline is February 1<sup>st</sup>!***

# 2012 Conference Schedule

## Tuesday, March 6

7:00 am	Registration opens
7:00 – 8:00 am	BREAKFAST - exhibitors and silent auction bidding
8:00 – 8:30 am	Welcome and opening remarks – Charles Conner, Conference Chair and Ben Grossman, MCFC President.
8:30 – 9:30 am	“Kansas City i-Tree Assessment” - Dr. David J. Nowak, USDA Forest Service
9:30 – 10:30 am	“Crafting a Green Infrastructure Agenda for Metro Kansas City” – Tom Jacobs, MARC
10:30 – 11:00 am	BREAK - exhibitors and silent auction bidding
11:00 am – 12:00 pm	“Tree Planting Initiatives – The Ins and Outs of How to Tackle Large Goals” – Sara Davis, City and County of Denver
12:00 – 1:00 pm	LUNCH - exhibitors and silent auction bidding
1:00 – 2:00 pm	“Missouri’s Community Street Trees – Results from a Statewide Sample” - Tom Treiman and Nick Kuhn, Missouri Department of Conservation
2:00 – 3:00 pm	“Green Infrastructure and Modern Streetscape Design Policies” – Dan Staley, DCS Consulting Services
3:00 – 3:30 pm	BREAK - exhibitors and silent auction bidding
3:30 – 5:00 pm	“Forest Threats Update” – Collin Wamsley, Missouri Department of Agriculture and Jon A. Appel, Kansas Department of Agriculture

## Wednesday, March 7

7:00 am	Registration opens	
7:00 – 8:00 am	BREAKFAST - exhibitors and silent auction bidding	
8:00 – 9:00 am	“The Future of Urban Forestry” - Dr. David J. Nowak, USDA Forest Service	“Trees and Architecture” – Norman Washington, Washington Tree Service
9:00 – 10:00 am	“Stormwater/Bioswale Design and Property Values” – Dan Staley, DCS Consulting Services	“Invasive Exotic Plants of Greater Kansas City” – Alan Branhagen, Powell Gardens
10:00 – 10:30 am	BREAK - exhibitors and silent auction bidding	
10:30 – 11:30 am	“Comparison of Urban Forest Management Tools for Managing Exotic Pests” – Josh Behounek, Davey Resource Group	“Great Trees for the Kansas City Area: Developing a Regional Tree List” – Robert Whitman, Gould Evans Associates
11:30 am – 1:00 pm	MCFC Awards Luncheon	
1:00 – 5:00 pm	FIELD TOURS: “Branching Out: Trees into Art” – Pat Knefel and Docents, Nelson-Atkins Museum of Art  “The Linda Hall Library Arboretum, What’s in it for You?” – Scott Reiter, Linda Hall Library	
5:00 – 5:30 pm	MCFC Executive Council business meeting	
7:00 - ?? pm	SOCIAL and “Green Fire” - Aldo Leopold documentary film	

## Thursday, March 8

7:00 am	Registration opens	
7:00 – 8:00 am	BREAKFAST - exhibitors and silent auction bidding	
8:00 – 9:00 am	“Kansas City, Missouri’s Stream Setback Ordinance: Looking into the Future of Urban Conservation” – Scott Schulte and Laurie Brown, Patti Banks Associates	“Developing Successful Volunteer Projects” –Noelle Morris, Bridging The Gap
9:00 – 10:00 am	“Strategies for Community Canopies: Developing Community Forestry Management Plans” –Kim Bomberger, Kansas Forest Service	“Missouri’s Livable Streets Project” – MU Extension and “Livable Streets Lee’s Summit” - Michael Park, City of Lee’s Summit
10:00 – 10:30 am	BREAK - exhibitors and silent auction bidding	
10:30 – 11:30 am	“Rain to Recreation- Stormwater Management in Lenexa” – Nikki Guillot, City of Lenexa	“Using Social Media” – Nick Kuhn, Missouri Department of Conservation
11:30 am – 12:00 pm	Closing remarks – Ben Grossman, MCFC President and Jon Skinner, 2013 MCFC Conference Chair. Silent auction closes.	

## Conference Center and Hotel Information

The Adams Pointe Conference Center and Courtyard by Marriott Hotel is located at 1500 NE Coronado Drive, Blue Springs Missouri 64014. They have complimentary wired and wireless high speed internet access throughout the facility as well as a complimentary business center, fitness center, indoor pool and hot tub, and free parking. MCFC conference group rates are \$89 per night, and reservations must be made directly with the Courtyard by Marriott by February 11<sup>th</sup> to receive the group rate (make sure you mention the Missouri Community Forestry Council conference). The hotel reservation number is 1.800.321.2211 or 1.816.228.8100. For more hotel / conference center info see: [www.AdamsPointeCC.com](http://www.AdamsPointeCC.com)

Directions: East of Kansas City, take I-70 to exit #21, south on Adams Dairy Parkway 1 block, east (left) on Coronado Drive 0.4 miles.

## Exhibitor, Silent Auction and Sponsorship Opportunities

If you would like information on exhibitor and sponsorship opportunities, or would like to donate to the silent auction, please contact Wendy Sangster at 816.759.7305 x1134 or [Wendy.Sangster@mdc.mo.gov](mailto:Wendy.Sangster@mdc.mo.gov) for more information.

# Speakers and Sessions

## **Robert Whitman, ASLA, AICP, LEED AP Urban Designer, Gould Evans Associates**

Robert, a licensed landscape architect and certified planner, is a project manager with over 16 years of comprehensive project experience. As a project manager, he is involved with project design and implementation, and has considerable experience in site development, urban design and community planning projects. He is an avid researcher on regional plant materials, and an important resource for every Gould Evans' project. Robert consults with communities in the Kansas City area on their street tree programs and similar horticultural endeavors.

In **"Great Trees for the Kansas City Area: Developing a Regional Tree List"**, Robert will share the process he developed for creating a preferred tree list for the Kansas City region with local tree experts. He will also share the results of this survey.

## **Kim Bomberger, NC/NE District Community Forester, Kansas Forest Service**

Kim Bomberger has been a District Community Forester for the Kansas Forest Service since March 2003. Her primary duties are to provide technical assistance, education and training to tree boards, city departments and other interested individuals who care for and manage the public tree resource in 28 counties of North Central and Northeast Kansas. Kim works with more than 50 communities who participate in the Tree City USA

program and assists in local program development.

Kim previously worked in production and retail horticultural and has instructed at the community college level. She earned B.S. and M.S. degrees in Horticulture and Adult and Continuing Education from Kansas State University and is a certified arborist through the Kansas Arborists Association and International Society of Arboriculture.

A community without a community forestry management plan is vulnerable to environmental, insect and disease impacts, some catastrophic. In **"Strategies for Community Canopies: Developing Community Forestry Management Plans"**, Kim will discuss data collection and analysis to create a management plan that can build support for local forestry programs. Actual management plans and correlating ecosystem benefits will be highlighted.

## **Nikki Guillot, Stormwater Specialist, City of Lenexa, Kansas**

Nikki Guillot has been a Stormwater Specialist with the City of Lenexa, Kansas for over 3 years. Her previous work experiences as a grant coordinator for rural water quality projects in Iowa, an environmental technician in Illinois and a bachelor's degree in Environmental Science from Drake University furnished her with a wide range of skills needed to navigate the complex world of municipal stormwater management. Her enthusiasm for native plants, patience with contractors and ability to speak engineer-ese have been key to fulfilling her passion for public

service. She has volunteered on the American Public Works Association's BMP Manual Committee, the Community Service Committee and was honored to have participated in the Emerging Leaders Academy this year. She lives in a loft in downtown Kansas City & enjoys using public transportation to get around the city.

In **"Rain to Recreation- Stormwater Management in Lenexa"**, Nikki will present on Lenexa's stormwater management program. Lenexa has been a leader in innovative municipal stormwater management for almost ten years. The road of the stormwater program from compliance-based minimum measures to state of the art green infrastructure and public lakes hasn't been without its challenges. Through public-private partnership in design, construction and maintenance of stormwater facilities, Lenexa's Rain to Recreation program continues to evolve with changing economic times to deliver a valuable amenity to our residents.

## **Michael Park, PE, PTOE City Traffic Engineer, City of Lee's Summit**

Michael Park received his BSCE from the University of Missouri. He is 13 years experienced in traffic engineering and transportation planning, a registered Professional Engineer in Missouri and certified Professional Traffic Operations Engineer by the Transportation Professional Certification Board. He has been with the City of Lee's Summit for the last 6 years, coming from the private sector, currently serving as the City Traffic Engineer. In that role, he manages the City's traffic operations, traffic safety,

transportation planning, lighting, bike/ped and transit, among other responsibilities. He is a regional leader in Livable Streets policy and design. Some of his recent Livable Streets presentations and contributions include the 2011 Missouri Municipal League Annual Conference, 2010 MARC Academy for Sustainable Communities Complete Streets Workshop, MARC Livable Streets Policy Task Force, and 2011 Missouri Livable Streets Design Guidelines. Lee's Summit has been recognized by the National Complete Streets Coalition as having one of the nation's best Livable Streets policies. The City was also awarded Bronze designation as a Walk Friendly Community by the National Pedestrian and Bicycle Information Center and received Honorable Mention as a Bicycle Friendly Community by the League of American Bicyclists.

Michael will present on what makes a Livable Street and creating an environment that supports active living in "**Livable Streets Lee's Summit**".

### **Dan Staley, Owner, DCS Consulting Services**

Dan Staley is an urban planner and urban ecologist on Colorado's Front Range. He studied Urban Forestry at the University of California, Davis and Urban Planning at the University of Washington, where he focused on urban ecology and environmental planning. He has spoken about trees and the urban form to local, state, national and international audiences.

Dan's current practice integrates land use and environmental planning to maximize the benefits of green infrastructure for built and 'natural' environments. His recent work includes a paper on the urban heat

island and work on complete streets and solar access. His work as a volunteer interpretive naturalist allows him to see trees outside of urban areas, as well as to share his love of trees with the next generation.

In "**Green Infrastructure and Modern Streetscape Design Policies**", Dan will discuss how modern street design attempts to slow traffic to reduce congestion and increase safety. Plants are commonly used as both an amenity and as a safety feature, but often little attention is given to plant needs. Learn strategies and details to change your land-use code to provide for woody plant needs in modern streetscape designs.

During "**Stormwater/ Bioswale Design and Property Values**", Dan will present on research describing the effects of good stormwater facility design on property values, quality of life, neighborhood satisfaction, and ecosystem services. Learn what these effects are and how to change the land-use code in your municipality to ensure quality design happens in your community.

### **Josh Behounek, Expert, Davey Resource Group**

Josh Behounek is a regional business developer and consulting urban forester with the Davey Resource Group. He has worked for Davey for over 10 years and currently focuses on assisting communities, nonprofits, and state agencies in the Midwest to proactively and sustainably manage their tree and other natural resources. Josh graduated from Southern Illinois University at Carbondale with a Bachelor's in Forestry Resource Management. He is a *Certified Arborist* Municipal Specialist, a graduate of the Society of Municipal Arborist's *Municipal*

*Forester Institute*, and successfully completed the Davey Institute of Tree Science program. He is active in many local and regional urban forestry organizations, and has ridden his bicycle over 1,000 miles for the Tour des Trees to raise money for the Tree Fund.

His presentation, "**Comparison of Urban Forest Management Tools for Managing Exotic Pests**", is a case study demonstration of the advantages and limitations of current urban forest management tools available for managing exotic pests. These tools include; Tree Ordinances, Management Plans, Tree Inventories, Urban Tree Canopy Analysis, and Hyperspectral Imagery.

### **Scott Reiter, Groundskeeper, Linda Hall Library**

Scott has had dirt under his fingernails and been trying to grow things most of his life. He grew up in rural Kansas and spent summers working on farms. He majored in English in college and spent five years as a grower for a wholesale greenhouse operation. Since 1986, Scott has been the groundskeeper for the Linda Hall Library. He is responsible for all aspect of grounds maintenance at the Library and is an ISA Certified Arborist.

Scott will lead the interactive walking tour "**The Linda Hall Library Arboretum, What's in it for you?**" We will see natives and exotics, common and unusual, successes and problems. The Library's tree collection contains 360 trees and about 160 different species. He hopes participants will see something new or different, have a question or two answered, and possibly answer a question or two of his.

## **Noelle Morris, Program Director, Bridging The Gap**

Noelle Morris has over 10 years nonprofit and program management experience. Currently, Mrs. Morris serves as the Program Director at Bridging The Gap and oversees six programs including Keep Kansas City Beautiful, Heartland Tree Alliance, Kansas City WildLands, Environmental Excellence Business Network, Volunteer Services, and By-Product Synergy. Prior to working at Bridging The Gap, Noelle was the Executive Director of the San Diego Oceans Foundation for eight years. She is also a small business owner (EPIC Cleaning Products).

In *“Developing Successful Volunteer Projects”*, Noelle Morris will discuss how to develop successful volunteer projects, which can save time, money and increase awareness for City and Government organizations. Specifically she will discuss how to recruit volunteers, consider workday requirements like liability insurance, waivers, and safety, how to make the workday fun, and how to get the best results from volunteers.

## **Alan Branhagen, Director of Horticulture, Powell Gardens**

Mr. Branhagen is Director of Horticulture at 970 acre Powell Gardens for over 15 years where he supervises all garden design and management including the site’s natural lands. Prior to his Powell position he was Deputy Director of Resource Development at the Winnebago County Forest Preserve District for over 9 years where he was responsible for design, development and management of more than 30 forest preserves. He received his Bachelor of Landscape Architecture from Iowa State University and a

Master of Landscape Architecture from Louisiana State University with emphasis on use of native plants.

Mr. Branhagen is an all-around plantsman and naturalist (birds, butterflies, botany are specialties) interested in garden design and management as well as restoration and management of natural lands.

Alan will present *“Invasive Exotic Plants of Greater Kansas City”*, where he will answer: *What is an invasive exotic plant? Which plants are they in the region?* The program takes a look at non-native plants that have proven invasive in the region and what you can do to help remedy the problem.

## **Pat Knefel, Docent, Nelson-Atkins Museum of Art**

Pat Knefel has been a volunteer at both the Nelson-Atkins Museum of Art and Bridging the Gap’s Tree Keeper program a little over 6-years. She received a B.A. in Biology from the University of Missouri – St.Louis.

Pat developed the docent-led tour *“Branching Out: Trees into Art”* as a winter activity for Bridging The Gap’s Tree Keeper volunteers. This tour of the use of trees in works of art allows her to express her passion for both biology & art. Pat and other docents will guide us on this tour of the Nelson-Atkins Museum of Art, which is recognized internationally as one of the finest general art museums in the United States and currently maintains collections of more than 33,500 works of art.

The main objectives of the tour are as follows: 1) Learn that the museum is a place to experience art of many cultures, 2) Explore different ways in which wooden art communicates to the viewer, and 3) Learn the different

purposes/functions wooden artwork serves in various cultures.

## **Tom Treiman, Natural Resource Economist, Missouri Department of Conservation**

Tom Treiman received a BA in Economics from Yale University and a PhD. in Natural Resource Economics from the University of Wisconsin. He currently works as a natural resource economist and human dimensions specialist for the Missouri Department of Conservation.

Mr. Treiman and **Nick Kuhn** will be presenting *“Missouri’s Community Street Trees – Results from a Statewide Sample”*. In 2010 foresters from the Missouri Department of Conservation (MDC) inventoried street trees on 284 plots in 44 Missouri communities. The plots were first surveyed in 1989 and again in 1999. A comparison of data over the three samples shows significant changes in Missouri’s urban forests. Using i-Tree software, the total replacement cost of Missouri’s street trees is estimated at \$1.56 billion, yielding annual benefits of \$148 million.

## **Nick Kuhn, Community Forestry and Communications Coordinator, Missouri Department of Conservation**

Nick Kuhn has a BS in Forest Resource Management from Southern Illinois University and is a graduate of the Municipal Foresters Institute. He is an ISA Certified Arborist since 1998 and Municipal Specialist since 2006. He served for the last 3 years as part of the technical advisory team on the Sustainable Sites Initiative and the ICLEI STAR Rating System. Presently, on the executive board of the Society of Municipal Arborists. Nick has work

experience with city, county, state, and federal levels and still retains his sanity. Currently, Nick is the Community Forestry and Communications Coordinator for the Missouri Department of Conservation.

Nick will be presenting with **Tom Treiman** on *“Missouri’s Community Street Trees – Results from a Statewide Sample”*. He will also present *“Using Social Media”*. So you won’t let technology scare you! Some is fun, some is easy, but with a little practice it won’t take too much time. The presentation will explain WHY? for those of you who still don’t get it, cover some basics of the different types, and provide a few examples of how to use with your desktop or smartphone.

***Jon A. Appel, Plant Pathologists, Kansas Department of Agriculture Plant Protection Program***

Mr. Appel’s responsibilities include survey and disease assessment in agricultural crops and native ecosystems and technical support for plant health certification. Forestry disease survey and control programs have included windbreak health assessment, oak decline, pine wilt, and thousand cankers of walnut.

He holds a MS Degree from Clemson University in Plant Pathology and currently an adjunct Assistant Professor with the Plant Pathology Department at Kansas State University.

Jon will present the Kansas side of the *“Forest Threats Update”*, which will include updates on EAB, thousand canker disease of black walnut, and other exotic pest threats to the Kansas City area tree resource.

***Collin Wamsley, State Entomologist, Missouri Department of Agriculture***

Collin has been with the Missouri Department of Agriculture’s Plant Pest Control Bureau since 2000, serving as State Entomologist/Bureau Manager since 2007. He is a Missouri native, having grown up on a six generation Missouri farm in the Mississippi River Hills of Pike County. Collin studied at Northwest Missouri State University, earning degrees in Agronomy and Agriculture/Entomology, and also studied entomology at Kansas State University. The Office of the State Entomologist was established in 1868 and is responsible for preventing the introduction and spread of exotic plant pests into Missouri.

Collin will present the Missouri side of the *“Forest Threats Update”*, which will include updates on EAB, thousand canker disease of black walnut, and other exotic pest threats to the Kansas City area tree resource.

***Scott Schulte, Environmental Planner, Patti Banks Associates***

Scott Schulte manages the Natural Resource Division for Patti Banks Associates, a regional planning, landscape architecture, and natural resource management consulting firm that serves both private and public sector clients in the 4-state region. He is an environmental planner with over 12 years experience in watershed management, stormwater best management practice planning and design, environmental policy, training and public involvement. Scott has also served as an adjunct lecturer for the University of Kansas Urban Planning Program, instructing undergraduate and graduate students in

environmental planning techniques. He earned a Master of Urban Planning with an Environmental and Land Use Planning emphasis from the University of Kansas.

Scott and **Laurie Brown** will be presenting *“Kansas City, Missouri’s Stream Setback Ordinance: Looking into the Future of Urban Conservation”*. Many communities are recognizing the economic value of protecting water resources for the benefit of public infrastructure, health, and community quality of life. This ordinance provides multiple community benefits from stormwater management to recreation and wildlife habitat, while minimizing the impact to developable land. The Kansas City, Missouri (KCMO) Stream Setback Ordinance serves as a model ordinance illustrating the integration of humans and ecological processes in an effort to achieve water quality protection and conservation of natural resources within an urban environment.

***Laurie Brown, Conservation Ecologist, Patti Banks Associates***

Laurie Brown is a Conservation Ecologist for Patti Banks Associates, an Environmental Planning and Design and Landscape Architecture consulting firm based in Kansas City, Missouri. She has over 19 years of professional experience in natural resource, ecological and urban planning, design and public policy. She is currently involved in natural resource related projects including ecosystem and cultural landscape restoration, natural resource inventories, and regional and local green infrastructure planning and design. Ms. Brown recently earned her Masters of Community and Regional Planning from Iowa State

University – Ames. She has a B. Sci. in Zoology from the Univ. of WA, Seattle.

Laurie and **Scott Schulte** will be presenting *“Kansas City, Missouri’s Stream Setback Ordinance: Looking into the Future of Urban Conservation”*.

**Sara Davis, Program Manager, Mile High Million Tree Planting Initiative and Forestry Education & Outreach, City and County of Denver, Colorado**

Sara Davis is the program manager of Denver, Colorado’s million tree initiative The Mile High Million. The Mile High Million is a component of Greenprint Denver, a sustainable development initiative that strives to integrate environmental impact considerations into the city’s programs and policies, convene stakeholder groups, catalyze new projects, and communicate the importance of sustainable development in Denver. Sara holds a Bachelor of Science for the University of California, Davis in Environmental Horticulture and Urban Forestry and is an International Society of Arboriculture certified arborist. She has worked in varying facets of the green industry for nearly fifteen years throughout the mid-section of the US. Sara is currently serving terms on the Board of Directors of Denver Urban Gardens, the City of Aurora Colorado’s Parks, Recreation and Open Space Advisory Board and the

National Urban and Community Forestry Advisory Board.

Sara will present *“Tree Planting Initiatives – The Ins and Outs of How to Tackle Large Goals”*. Large tree planting initiatives have sprung up all over the nation and the data about what works and doesn’t is coming in. This presentation will explore the different methods of tree planting initiatives and the options that are available to fit your community.

**Norman Washington, Owner, Washington Tree Service**

Norman is an ISA Certified Arborist with forty plus years of service in arboriculture. Years of municipal service as a supervisor with the City of St. Louis Forestry as well as thirty five years as owner/operator of Washington Tree Service. Norman is semi-retired and lives on the family farm in West Plains Mo. He has a tree collection of over a 150 specimens representing more than 50 species.

His presentation, *“Trees and Architecture”*, is a photo tour of historic Virginia, Washington D.C. and surrounding areas. Mature specimen trees are featured that are located around these famous historic sites and buildings. The bonsai collection at the National Arboretum is also featured.

**Tom Jacobs, Director of Environmental Program, Mid-America Regional Council**

Tom Jacobs is Director of Environmental Programs at the Mid-

America Regional Council (MARC), Kansas City’s regional and metropolitan planning organization. Tom has been active in promoting the integration of urban forestry concepts into urban planning, stormwater, air quality and energy conservation initiatives. He has participated in a variety of national green infrastructure initiatives with the USDA Forest Service, The Conservation Fund, the National Association of Regional Councils and the Transportation Research Board.

He currently oversees grants from the Forest Service and the Environmental Protection Agency to develop innovative new green infrastructure conservation tools for the Kansas City metro area.

Tom’s presentation, *“Crafting a Green Infrastructure Agenda for Metro Kansas City”*, will provide an overview of how two new planning tools might support next generation work in the Kansas City region related to environmental planning, urban forestry and natural resource management. An i-tree model developed by the USDA Forest Service will serve as the basis for a flexible, multi-faceted policy/planning framework for local communities. Also, an update to the regional natural resource inventory, including a new 1m land cover GIS dataset, will support refined environmental planning at the regional, community and watershed scales.

**David J. Nowak, Project Leader, USDA Forest Service, Northern Research Station**

**Keynote  
Speaker**

*David J. Nowak is a Project Leader with the USDA Forest Service, Northern Research Station in Syracuse, NY. Dr. Nowak received a B.S. and M.S. from SUNY College of Environmental Science and Forestry, and a Ph.D. from the University of California, Berkeley. He has authored over 200 publications and is a recipient of the:*

- *National Arbor Day Foundation's highest honor - the J. Sterling Morton Award, which recognizes lifelong commitment to tree planting and conservation at a national or international level*
- *R.W. Harris Author's Citation from the International Society of Arboriculture, which is granted to authors of outstanding publications for sustained excellence in the publication of timely information pertaining to the field of Arboriculture*
- *American Forests' Urban Forest Medal recognizing outstanding national contributions in urban forest research*
- *Distinguished Science Award of the Northeastern Research Station*
- *Forest Service Chief's Honor Award for Engaging Urban America*
- *New York State Arborists-ISA Chapter Research Award*

*Dr. Nowak was also a contributing member of the 2007 Nobel Peace Prize winning Intergovernmental Panel on Climate Change. His research investigates urban forest structure, health, and change, and its effect on air quality, water quality and greenhouse gases. He also leads teams developing software tools to quantify ecosystem services from urban vegetation (e.g., UFORE and i-Tree programs).*

*Dr. Nowak will present the keynote address on the findings of the "**Kansas City i-Tree Assessment**". I-Tree is a free suite of tools used to assess the ecosystem services and values derived from trees. An i-Tree assessment of the greater Kansas City region was conducted in 2010. This presentation will detail how individuals can use the i-Tree model and discuss the results of this regional assessment, particularly how the region's 250 million trees affect local environmental quality.*

*Dr. Nowak will also speak on "**The Future of Urban Forestry**". Numerous factors are changing the forests and environment where we live. This presentation will discuss the major factors that are and will influence urban forests and the top 10 actions that managers and citizens can do to advance urban forestry in order to sustain forest health and its associated impacts on environmental quality and human well-being.*