

Virginia ASLA Conference

April 16, 2010 8am-5:30pm

Renaissance Conference Center
107 W. Broad Street Richmond, Virginia



Schedule at a Glance:

Conference (Roosevelt Ballroom)

- 8:00 – 8:30 : Registration, Breakfast, Visit Sponsor Booths
- 8:30 – 8:45 : Welcome, Introductions, VA-ASLA Business
- 8:45 – 9:45 : Sustainable Community Design: Learning Lessons from the Past: Bill Eubanks, FASLA
- 9:45 – 10:45 : Mapping the Green Infrastructure: Some Handy Tools in the GIS Toolbox: Sarah Richardson
- 10:45 – 11:00 : Morning Break and Sponsor Time
- 11:00 – 12:00 : Green Urbanism: Global Shift Towards Sustainable and Resilient Cities: Timothy Beatley, PhD
- 12:00 – 1:00 : Lunch, Green Urbanism Followup and Sponsor Time
- 1:00 – 2:00 : SITES - The Sustainable Sites Initiative: Susan Downing Day, PhD
- 2:00 – 3:00 : Sustainable Sites Using Computer Aided Design: Eric Gilbey, ASLA
- 3:00 – 3:15 : Afternoon Break and Sponsor Time
- 3:15 – 4:15 : Virginia's Stormwater Regulations and LID: Doug Beisch. PE
- 4:15 – 5:15 : Preventing Suburban Blight - A Case Study of Brandermill: Doug Cole, ASLA
- 5:15 : Conclusion and Evaluations, Information on Happy Hour Event
- 5:30 until? : Happy Hour Event at Popkins Tavern (121 West Broad < 1 block away)

L.A.R.E Review Session (Adams Room)

- 8:00 – 8:30 : Registration, Breakfast, Visit Sponsor Booths
- 8:30 - 10:45: Section C - Karen Beck, FASLA
- 10:45 – 11:00 : Morning Break and Sponsor Time
- 11:00 - 12:00 : Section C - Karen Beck, FASLA
- 12:00 – 1:00 : Lunch and Sponsor Time
- 1:00 - 3:00: Section E - Karen Beck, FASLA
- 3:00 - 3:15: Afternoon Break and Sponsor Time
- 3:15 - 5:15: Section E - Karen Beck, FASLA

Note: Speakers, topics, and times shown are confirmed but are still subject to change as planning for this event continues. Please keep updated at our website : www.vaasla.org.

Venue:

The historic Renaissance Conference Center is located at 107 W. Broad Street in Richmond, Virginia at the corner of N. Adams. "Originally completed in 1887, the Masonic Temple was designed to dazzle and honor all those who might enter its doors. In a grand age of refined and elegant design, it was immediately crowned host of Richmond's most important social and community events." Free parking for the conference will be provided in the parking lots of the Jefferson



Hotel located just two blocks away on the corner of West Main Street and North Adams. Please check out their website for more information at www.renaissanceva.com or call 804.649.3373.

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Topics and Speakers:

Sustainable Community Design: Learning Lessons from the Past: Towns used to grow in a natural, organic kind of way that was ultimately sustainable but changes in the twentieth century, such as Euclidean zoning and transportation planning, changed those growth patterns. This session explores development patterns, documented from case studies, and how they impact the sustainability of a community.

Over the last year, the urban edge studio has undertaken a series of field trips to study various towns in the southeast. Originally, the purpose of these field trips was to build a case study library for use in design charrettes. However, the observations made in these towns, and the realization of the impact these development patterns have on the communities, has somewhat changed their focus. The studio has noticed significant differences in the compact, walkable downtowns of these communities and the banal, placeless, automobile-dominated sprawl at their fringes. Further research has proven that in most cases these downtowns, possessing a sense of place, character and uniqueness, are essentially outlawed by current zoning. They can't be replicated or, in some cases, even allowed to grow.

The sprawl areas are not sustainable from environmental, economic, or social aspects and ultimately do not lead to healthy, vibrant communities. Segregated uses require more frequent and longer automobile trips. Lack of walkability contributes to sedentary lifestyles and obesity. The main culprits in this conundrum are Euclidian zoning and DOT regulations. Euclidean zoning separates things by land use, thereby requiring more automobile trips for the needs of daily life. DOT regulations basically try to bring highway design standards to streets, imposing a hierarchy that funnels everyone to the same main arterials. This creates traffic congestion, uses more fossil fuels, increases pollution, contributes to the urban heat island, and creates a pedestrian-adverse environment.

Alternatives that could lead to more sustainable communities include form-based codes and reformed thoroughfare standards. Form-based codes promote a mix of uses within walkable pedestrian sheds and a network of safe, walkable streets. This session will present findings from the field trips, conclusions drawn from those findings, and an explanation of some of the possible solutions with time for discussion.

Bill Eubanks, FASLA: Bill has twenty-seven years of experience as a landscape architect with an emphasis on urban design, campus design, residential community design, and park design for a wide variety of public and private sector clients throughout the southeast. He is a licensed landscape architect in the State of South Carolina and is a Fellow of the American Society of Landscape Architects. His projects have received numerous awards including Chapter and Southeast Region ASLA Awards, a Charter Award from the Congress for New Urbanism, The International Downtown Association, an Achievement Award from the National Association of Regional Councils, and the James C. Howland Award for Urban Enrichment from the National League of Cities.

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Mapping the Green Infrastructure: Some Handy Tools in the GIS Toolbox: Green infrastructure is the network of natural areas and open spaces—woodlands, farm fields, wetlands, and parks—that helps sustain clean air and water, conserves natural communities, protects cultural resources, and maintains a high quality of life for people and wildlife. Green infrastructure is also the process of identifying and inventorying the best lands to conserve. This session will present the mapping resources that have been developed by the Virginia Department of Conservation and Recreation, which has undertaken an extensive mapping effort to identify intact conservation areas and the natural corridors that connect them, and is working collaboratively with other agencies to include important forestlands and wildlife habitat.

Sarah Richardson: Sarah is the Land Conservation Coordinator at the Virginia Department of Conservation and Recreation. Sarah graduated from the William & Mary School of Law and became a member of the Virginia Bar in 2001; she received a Masters in Landscape Architecture from the University of Virginia in 1989. Her professional background includes horticulture, land-use planning, and real-estate law.

Green Urbanism: The Global Shift Towards Sustainable and Resilient Cities: This session will explore creative urban planning and design strategies that bring nature back into urban neighborhoods, incorporate locally-produced renewable energy into the urban fabric, and nurture new local and regional sources of the food and materials needed to sustain urban populations.

Timothy Beatley, PhD: Timothy Beatley is Teresa Heinz Professor of Sustainable Communities, in the Department of Urban and Environmental Planning, School of Architecture at the University of Virginia, where he has taught for the last eighteen years. His primary teaching and research interests are in environmental planning and policy, with special emphasis on coastal and natural hazards planning, environmental values and ethics, and biodiversity conservation. He has published extensively in these areas, including the following recent books: *Ethical Land Use* (Johns Hopkins University Press, 1994); *Habitat Conservation Planning: Endangered Species and Urban Growth* (University of Texas Press, 1994), *Natural Hazard Mitigation* (Island Press, 1999, with David Godschalk and others); and *An Introduction to Coastal Zone Management* (Island Press, 2002, Second Edition, with David Brower and Anna Schwab).

In recent years much of his research and writing has been focused on the subject of sustainable communities, and creative strategies by which cities and towns can fundamentally reduce their ecological footprints, while at the same time becoming more livable and equitable places. To this end, he is the recent author of *The Ecology of Place* (Island Press, 1997), with Kristy Manning, which reviews innovative local sustainability practice from around the country and provides practical guidance on creating more sustainable urban form, restorative local economies, and stronger communities. Beatley has recently returned from a year's research in Europe, specifically examining the experiences of some 30 cities, in twelve European countries. The findings of this study have been published in a recent book entitled *Green Urbanism: Learning from European Cities* (Island Press, 2000). He is also the author of a new book *Native to Nowhere: Sustaining Home and Community in a Global Age* (also published by Island Press, December, 2004). Beatley holds a PhD in City and Regional Planning from the University of North Carolina at Chapel Hill.

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SITES - The Sustainable Sites Initiative: SITES is the voluntary certification program for creating sustainable sites that debuted in November 2009. SITES is a leadership program created by a partnership among the Lady Bird Johnson Wildflower Center, the U.S. Botanic Garden, and the ASLA. Learn about the guiding principles used in developing this program and how they have been incorporated into the credit system with a special focus on the soils credits. We will also discuss the ongoing pilot program phase of SITES and have a question and answer session as time allows.

Susan Downing Day, Ph.D.: Dr. Day is an Assistant Professor of Urban Forestry in the Department of Forest Resources & Environmental Conservation at Virginia Tech, in Blacksburg, Virginia where she also holds a joint appointment in the Department of Horticulture. She teaches undergraduate and graduate classes in urban horticulture and urban forest ecology. Recent research includes development of a tree-based stormwater management system using engineered soils, modeling the influence of soils on canopy development, and urban soil rehabilitation through profile rebuilding. She contributed to the development of the SITES—a national initiative to develop standards for sustainable site development and landscapes—through her service on the Sustainable Sites Initiative’s Soils Technical Committee. She continues to serve on the Technical Core Committee for SITES. She has a B.A. in Philosophy from Yale University, a Master’s Degree in Horticulture from Cornell University, and a Ph D. in Forestry from Virginia Tech.

Sustainable Sites Using Computer Aided Design: Eric Gilbey, a Nemetschek staff Landscape Architect will show how purpose built site analysis tools such as Digital Terrain Modeling (DTM) and GIS file integration can make conceptual and preliminary site plans easier, while setting the stage for tools such as the Landscape Area; Site Modifiers; 2D/3D Plant Data Objects; Plant Database, Solar Animation, Custom Reports, and others which can be essential tools in designing a sustainable site according to the 5 Areas of Focus as proposed by the Sustainable Sites Initiative (SITES).

Eric Gilbey, ASLA, RLA, APLD: Eric Gilbey is a Landscape Architecture Industry Specialist for Nemetschek North America, where he utilizes his professional experience and CAD skills to assist in the development, marketing and sales of Vectorworks Landmark. Eric received an AAS degree in Landscape Contracting and Construction and a BS degree in Landscape Architecture from the Ohio State University. He is currently serving the APLD DCMDVA Chapter as secretary.

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Virginia's Stormwater Regulations and LID: A lengthy regulatory process in Virginia is likely to lead to increased attention to stormwater management design, environmental site design, and Low Impact Development practices. Mr. Beisch will discuss the new Virginia stormwater technical criteria, status of stormwater regulation and legislation in Virginia, likely timeframes for implementation, and new design practices embodied in Virginia's Runoff Reduction Method (RRM). New design standards and specifications, directed at providing credit for environmental site design, have been developed as part of the Commonwealth's technical criteria. These practices, collectively referred to as "Runoff Reduction" practices, are to be credited with not just a "pollutant removal efficiency", but also credited for their contribution to reducing the volume of runoff from a site. These primarily vegetated practices function through infiltration, filtration, evaporation, and transpiration and include practices such as runoff harvesting and re-use, green roof technologies, permeable pavement systems, compost-amended drainage pathways, and bioretention and micro-bioretention (raingardens), amongst others. The new runoff reduction spreadsheet and design support tools will also be introduced.

Doug Beisch, PE: Mr. Beisch is the Water Resources engineering program manager for Williamsburg Environmental Group. He has fifteen years of experience in the field of stormwater management and surface water quality management. Doug oversees four teams of designers and engineers conducting hydrologic and hydraulic modeling, preparing watershed studies and stormwater management BMP designs. His prior experience includes work at both the local and state government levels in Virginia, administering stormwater management and erosion and sediment control requirements. He has extensive experience in stormwater regulatory coordination, and has developed statewide technical specifications and policy guidance related to stormwater management and water quality management. Doug has actively participated in numerous technical advisory committees related to water resource issues in Virginia.

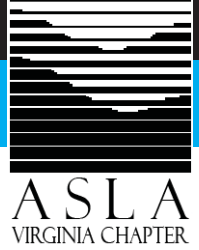
Preventing Suburban Blight - A Case Study of Brandermill In the history of planning, master planned communities are a relatively new concept. How they survive the test of time is yet to be determined but to complete and survive in today's changing world, master planned communities must evolve to reflect the changing needs of modern society. What worked 30 years ago, or even 10 years ago, may not work today.

One such example of a large, master planned community is Brandermill. Nationally recognized for design excellence and quality lifestyle, Brandermill was named the 'Best Planned Community in America' in 1977. Located approximately 20 miles southwest of Richmond on the Swift Creek Reservoir, Brandermill has over 13,000 residents on 2,600 acres. From the beginning, the goal was to offer residents a resort like atmosphere with world-class amenities along with a diversity in style and price of homes....all of which was a new concept over 30 years ago.

For most of Brandermill's history, property values have exceeded the region and county average. But in 2005 that changed and the community watched their average property continually fall below the county's average. That, in addition to the proposed master planned communities and over 15,000 new homes planned for the

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surrounding area, caused enough concern for the Community Association to release a Request for Proposals to prepare a new master plan.

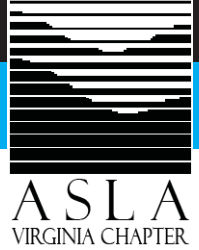
DesignForum's process for the master plan included numerous work sessions with the Brandermill residents. By engaging the community, we were able to receive valuable insight that laid the foundation for establishing fundamental ideas that formed the core values that are unique to Brandermill. The master plan provides a framework that preserves and enhances the best features of Brandermill, while recognizing opportunities for improvements. In order to achieve the vision, the master plan was divided into five main categories: natural resources, community facilities, commercial / economic development, transportation, and community character.

The Brandermill Master Plan was awarded the 2010 Outstanding Private Sector Award by the APA Virginia Chapter.

Doug Cole, ASLA: Doug Cole is a partner at designforum, a design firm in Richmond that focuses on land planning, urban design, and landscape architecture. For the past 25 years Doug's projects throughout the mid-Atlantic states have received numerous awards for innovation, sustainability, design, and community input. He continues his quest for incorporating smart growth and new urbanism principles. With projects that have ranged from master plans encompassing over 22,000 acres to detailed planting plans incorporating indigenous plant material, Doug's work has focused on increasing the quality of life for all segments of our population and our planet.

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Registration Form:

Please note that the full conference is pre-approved for 7.5 CEU hours through LA CES which can be used to meet the new licensure requirements in Virginia. To be eligible for these CEU's attendees must sign in and sign out of the conference to verify attendance at all sessions.

Please consider registering online. The link can be found on our website at www.vaasla.org to register for the Spring Conference as well as the L.A.R.E. Review Session.

Name: _____

Company: _____ Phone: _____

Address: _____

Email Address: _____ ASLA Member Number: _____

Fees:

Conference Registration (includes all sessions, breaks, and lunch)	Quantity	Cost
1) Virginia Chapter ASLA Members \$55 each	_____	_____
2) Non-Members \$95 each	_____	_____
3) Students \$25 each	_____	_____
4) Allied Professions (AIA, APA, ASCE) \$75 each	_____	_____

L.A.R.E. Review Session (includes C&E sessions, breaks, and lunch)	Quantity	Cost
1) Virginia Chapter ASLA Members \$75 each	_____	_____
2) Other ASLA Chapter Members \$95 each	_____	_____
3) Non-Members \$120 each	_____	_____

(L.A.R.E. registration fees will increase by \$40 after March 15, 2010) Total Due: _____

Checks should be made payable to VA-ASLA and can be mailed with this registration form to:

VA-ASLA
11712C Jefferson Avenue #249
Newport News, VA 23606

Please email VA-ASLA President-Elect Andrea Almond at aalmond19@hotmail.com with any questions about this event or the registration process.