Innovative Materials, Methods and Technologies for Sites and Landscapes
Sheri Sanzone, ASLA/AICP LEED AP Bluegreen
Michael McConnell, ASLA Bluegreen

Successful sustainable sites and landscapes are critically dependent on the latest innovations in materials, methods and technologies. Cutting edge developers, designers and contractors who continue to push the envelope are seeking durable materials that age with grace, methods that consume fewer resources and technologies that integrate green building and smart design. Innovation in site design is discussed but overshadowed by architectural practices. The bulk of research and application is directed towards building construction. The application of many of these innovations for the architectural industry can be, and are being, applied to the landscape through trial and error. This article focuses on those innovations that have proven successful and some that need to live up to their hype.

Why is this important?
Even with the latest innovations, there is still tremendous opportunity for improvement. According to Green Building Pages (www.greenbuildingpages.com), the production and use of buildings in the United States consumes an estimated 40-65 percent of our energy total. By using more efficient building methods and materials—including these latest innovations—it is estimated that we could reduce energy, resource consumption and waste production by 50-60 percent without decreasing value, aesthetics or function. This leaves a gap of 40-50 percent that has yet to be closed. Innovations in site and landscape design should be focused on closing this gap.

Green materials
Of all waste generated in the United States in 2005, 32 percent was recovered, 16 percent was incinerated, and 52 percent was put in a landfill. Furthermore, approximately a third of all landfill waste is composed of plastic, wood, glass or metal. These materials easily lend themselves to recovery and reuse, and represent a gold mine of source material for new and innovative building products. Recycled glass is now available in 100 percent recycled (and recyclable) tiles and mulch. These products are commercially available and have become viable alternatives to conventional products. Reused barn wood and other reclaimed wood components are in greater demand in architecture and as a result are more available through a variety of suppliers. These materials can be used for framing and cladding of site structures and bench fabrication. In addition, contract-grade site furnishings which take advantage of materials recovered from the waste stream are now available from companies such as Landscape Forms.

This bench for the Snowmass Village Community Pool was fabricated of reclaimed wood beams salvaged during demolition.
Reflections and Projections | Mark Tabor, Patrick Mundus

Sometimes the indication of a good experience is that it's over too soon. By that measure, my tenure as Chapter President has passed with lightning speed. Not only was it a pleasure to serve a worthy organization like ASLA Colorado, but it was an enriching experience to work with our committed chapter officers, volunteers and staff. For this opportunity, I will always be grateful. While the year has seemed to pass too quickly, we were successful in meeting many Chapter goals. I wanted to highlight two important milestones that we achieved this year, one institutional and the other organizational. On the institutional front, we achieved state licensure for landscape architects in Colorado. This was a watershed achievement made possible by hundreds of chapter members working many years within public, professional, and political communities across the state. It was a victory that will allow landscape architects to stand tall among our colleagues in the design community as we uphold high standards for designed landscapes and contribute to more environmentally-sustainable public policies.

On the organizational front, we developed a Strategic Plan for the Colorado Chapter which led to our first Annual Chapter Operation Plan for 2007. The Operation Plan guided chapter administration and budget by setting objectives for each category of chapter operations, describing all chapter programs, and establishing measurable goals for each program based on those objectives. Each chapter Executive Committee member was delegated funding responsibility over their own chapter programs to increase efficiency and accountability. With a new 2008 Operation Plan in the works and clarified Executive Committee roles and responsibilities, ASLA Colorado now has a strong foundation to operate and grow into the future.

Thanks again for the opportunity to serve.
Mark Tabor, ASLA
Past President

With 2008 on the horizon I would like to thank everyone who contributed to the Chapter's success in the past year and welcome the new Executive Committee into the fold. While we have many tasks to undertake and goals to achieve we can do that by building on all of our previous Chapter work. Our profession and our organization are growing rapidly. Attendance at the national convention in San Francisco reached over 6,000. The Colorado chapter is the fifth largest chapter in the nation and we are well represented at a national level. This is a good time to be a landscape architect in Colorado and our success in 2007 shows that. We will continue build a strong organization in 2008 – one that provides benefits to the membership, represents the profession in our communities and works to maintain our quality of life. The strength of the Chapter is our members and their willingness to contribute, volunteer and represent the profession. I would like to encourage all of our membership to get involved in the Chapter and 'do one thing'. We have all found that volunteering our time benefits our professional skills and builds lasting personal friendships. I look forward to working with all of you in 2008.

Patrick Mundus, ASLA
President
Concrete is a widely used though not inherently sustainable material that can be made more green. Davis Colors provides dyes in disintegrating bags which are simply tossed into the concrete mix, thus reducing construction waste. The dyes used can be derived from iron oxides collected during mine cleanups. Fly-ash and iron slag, by-products from energy and steel production, can substitute for up to 60 percent of the Portland cement used to produce concrete. The durability of concrete can be increased through the use of low volatile organic compound (VOC) sealers and retarders. And when concrete has reached the end of its useful life it can be crushed for structural fill. There are also alternatives to concrete block, such as bitublock, that use crushed glass, fly ash, sewage sludge ash and iron slag in their production.

Sustainable methods
Landscape architects can contribute to the sustainability of a project through a variety of methods inspired by innovations in architectural design and construction. Considering the site as a system not only during design, but throughout construction, reveals tremendous opportunities. Construction time, energy, and materials can be saved by coordinating all disciplines to reduce materials and labor allocations. For example, castoffs from the installation of stone veneer on a building facade can be collected, stockpiled and reused in the landscape as a stream feature. These opportunities can be identified during design coordination and then carried through construction documentation and phasing.

Stone castoffs from this Aspen residence’s veneer were reused in the landscape’s stream feature.

The adaptive reuse of buildings is a commonly recognized sustainable practice. Applying this method to a site and its existing man-made features is a unique opportunity that can save energy, reduce materials and eliminate demolition costs. Northside Park in Denver and Parc Duisburg Nord in Germany are great examples where existing site features of earlier industrial uses are incorporated into park and public space programs.

Site environmental conditioning and zero-energy landscapes are also methods borrowed from current architectural practices. As applied to building design, these methods seek to reduce building energy loads through passive and active systems. This practice can be extended outside the building envelope to include the site in achieving these goals. Water features, tree canopies and heat sink walls can be used by landscape architects to not only condition outdoor rooms, but also condition ambient air before it enters the building. The energy requirements of intensive site features, such as pools and exterior lighting, can be met in renewable ways with solar and micro-hydroelectric systems.

Green technologies
New technologies in roofing can be applied to green roofs to make them even more sustainable. Membranes comprised of post-consumer recycled content and low-VOC adhesives are now commercially available. Living walls can be made of recycled components and have been applied as rain screens for buildings. This wall system can be used by landscape architects to create and condition outdoor spaces. Innovations in architectural lighting technology, especially with light emitting diodes (LEDs), present new opportunities for exterior lighting. Advances in LEDs now make them very long-lived—up to 50,000 hours. Conventional incandescent lighting achieves only 2,000 hours per lamp. Improved effectiveness of LED lamps allows them to provide sufficient lumens per watt for area lighting. Once replaced, LED lamps are safer to handle and easier to recycle than fluorescent or mercury vapor lamps. Color rendering in high-end fixtures is very good, but may be poor and inconsistent in less expensive fixtures.

Ground-source heat pumps and heat sink systems, typically designed to mitigate building energy loads, can be applied to
the site and building together. The pool at the Community Recreation Center in Snowmass Village acts as a "sink" for the excess heat generated in the adjacent building, helping to heat the pool and cool the building. This innovative application reduces the facility's entire energy load.

What's next?
Opportunities exist for landscape architects to play a significant role in reducing energy and materials inputs and carbon outputs on every project. There are innovations in architectural design and construction which are directly applicable to landscape architecture and to achieving sustainable projects. The best approach to implementing these innovations and creating new ones is to consider the entire site and buildings in a holistic manner and as a broader closed loop system than traditionally envisioned. The next critical step towards realizing the significant contribution we can make is to actively research the development, use and success of these materials, methods and technologies in the site and landscape and to effectively communicate those results.
Columbine Memorial Dedication, September 21st 2007 | Bob Smith, DHM Design Corporation

The memorial honoring and remembering the innocent victims of the April 20, 1999 shootings at Columbine High School represents this community’s effort to heal. DHM Design was part of a team that assisted the families and community through the design and construction process. The Memorial is located in Clement Park, adjacent to Columbine High School, situated between two small hills, one of which is known as Rebel Hill, near the spontaneous memorials that arose in the park in the weeks after the shootings.

The memorial consists of an inner “Ring of Remembrance” and an outer “Ring of Healing.” The “Ring of Remembrance contains 13 separate stations with individualized text provided by the families to honor and remember each of the 13 victims who lost their lives. The “Heart of Columbine” ribbon is incorporated into the paved surface in the center area of the Memorial encompassing the Ring of Remembrance. A grove of trees surrounds this inner Ring. An outer wall “Ring of Healing” encircles the core area and contains additional quotations and text gathered from injured victims, Columbine students, teachers and staff, and other community members. The Memorial will also include a walkway that traverses the tops of the adjacent small hills and provides access to the top of Rebel Hill. The hillsides surrounding the Memorial will be landscaped with native Colorado plants and shrubs.

After eight years of facilitation, fund raising, group design and construction, the Columbine Memorial was opened to the public and received as a “lovely, quiet, tranquil place” that “represents life and spirit.” The dedication on a warm September afternoon was attended by 300 family members and thousands of visitors. After a brief ceremony, 13 doves were released to represent the slain students and teacher. Crowds stayed well into the evening, leaving flowers and sharing memories of a community healing together. Over $500,000 of the products and services for the $1.5 million project was donated by local businesses and community members, from concrete, to pavers to plants. The memorial project used local red sandstone from nearby Colorado quarries. The general contractor donated all their management as community response, along with many of the design professionals who contributed their efforts. The outcome was a shared community vision to provide a memorial dedicated to remembering those who were killed and injured at Columbine High School.

General Contractor: Pinkard Construction
Landscape Contractor: Creative exteriors
Landscape Architect: DHM Design Corporation
Civil/Structural Engineer: Martin Martin
Irrigation Design: Hydrosystem-KDI
Fountain Design: Ohlson Lavoie
Geotechnical Engineer: HP-Geotech
Electrical Engineer: Architectural Engineering Design Group

While hundreds of entities who donated money, material and time are listed on the Donor Plaque we will credit here those from the broader Landscape Architecture Community:

A1 Organics, Inc.
Alameda Wholesale Nursery, Inc.
Arapahoe Acres Nursery, Inc.
Architerra Group
Arkansas Valley Seed
B R & D Landscape
Boxelder Creek Nurseries, LLC
Hardy Boy Bedding Plants
O’Tooles Garden Centers

Rocky Mountain Exposures | 5
Environmental impacts from the construction industry are dominated by concrete, both in terms of gross mass of material used, as well as from the energy consumed and the pollution released throughout the supply chain from cement manufacture to final installation. In 2000, cement production accounted for more than 1.6 billion tons of CO2 released as emissions, approximately 7% of total CO2 emissions from all human activities. Understanding the embodied energy of materials for a project has a significant impact on the environment and more quantitative approaches are required to identify what’s really “green.”

Evaluating the embodied energy of a material, also referred to as a “cradle-to-gate” life-cycle analysis (LCA), has been defined as “...the energy consumed by all of the processes associated with the production of a building, from the acquisition of natural resources to product delivery.” For example, the embodied energy and emissions of cement manufacturing alone would include all processes from the mobile direct emissions (off-road quarry trucks, excavators and even company cars), the direct emissions from stationary combustion (cement kiln and non-kiln units using a company specific energy mix), and the indirect emissions associated with grid electricity use and other fugitive emissions. Delivery to the project site as concrete would then include the mining and transport of aggregate, the energy required for the ready-mix operations and, finally, the forms and machinery needed for placement.

Concrete’s environmental impact was quantified on a regional basis for the greenhouse gas (GHG) inventory for the City and County of Denver (CCoD) – part of Denver GreenPrint. The inventory showed per capita concrete and aggregate use of 3.59 metric ton and 9 metric ton, respectively, and that cement usage contributed approximately 2% to CCoD’s GHG footprint. Substitution of 20% fly ash and 50% recycled aggregates was evaluated as a “Green Concrete” mitigation strategy and showed that, the annual community-wide GHG reduction for CCoD would have totaled approximately 60,000 million metric tons of CO2e in 2005 (the term CO2e, or carbon dioxide equivalents, is a weighted term that represents the six greenhouse gases).

However, despite the environmental impact of concrete, distinguishing concrete as a high-embodied energy material may not be so simple. Before assumptions are made as to which material provides a lower carbon footprint, other factors are necessary to consider, such as: the source location of the material and the mode of transport to a particular project. The carbon footprint of transportation energy is largely influenced by the mode of transport, as shown in Table 1. When calculating transportation energy and emissions impacts, the units are expressed as mega joules (MJ) and the mass of carbon dioxide equivalents (lb CO2e), respectively, required to transport one-ton of freight over one mile (per ton-mi).

Based on the values provided in Table 1, an example is presented to illustrate the impact of transportation when considering if a material is truly a low-embodied, or green, product. The transportation energy and emissions associated with transporting are considered for transporting the two following scenarios:
1. Bamboo flooring from the Hunan Province, China delivered to Denver, Colorado
2. Concrete, where all materials are produced within 500 miles of Denver, Colorado.

![Table 1: Emissions and Embodied Energy of Transport per Ton-Mile Freight](image)

<table>
<thead>
<tr>
<th></th>
<th>Energy Use MJ/ton-mile</th>
<th>GWP lb CO2e/ton-mi</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ocean Freighter</td>
<td>0.28</td>
<td>0.05</td>
<td>NREL US LCI Database, 2007</td>
</tr>
<tr>
<td>Locomotive</td>
<td>0.37</td>
<td>0.06</td>
<td>NREL US LCI Database, 2007</td>
</tr>
<tr>
<td>Barge</td>
<td>0.54</td>
<td>0.09</td>
<td>NREL US LCI Database, 2007</td>
</tr>
<tr>
<td>Cargo Plane*</td>
<td>1.15</td>
<td>0.17</td>
<td>NREL US LCI Database, 2007</td>
</tr>
<tr>
<td>Combination Truck</td>
<td>1.54</td>
<td>0.26</td>
<td>NREL US LCI Database, 2007</td>
</tr>
<tr>
<td>Single Unit Truck</td>
<td>3.29</td>
<td>0.56</td>
<td>NREL US LCI Database, 2007</td>
</tr>
</tbody>
</table>

* = Cargo Plane database only includes CO2-related GHG emissions. Additional GHG releases, such as N20 and CH4, would likely increase GWP (lb CO2e/ton-mi) by an additional 1%.

Even though energy is required to produce bamboo flooring; hollowing and slicing the shoots prior to boiling, kiln drying and laminating into solid boards, which are then milled and treated with preservative, research on the embodied energy coefficient was not available. Therefore, it was assumed that the
energy and emissions of bamboo flooring was essentially zero for purposes of illustrating the impact of transport of a product 500-miles by truck from Hunan Province to the port in Hong Kong and the 7,362 nautical mile trip to San Diego, and final transport by rail to Denver, Colorado, as included on Table 2.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Bamboo Flooring</td>
<td>0</td>
<td>0</td>
<td>Truck</td>
<td>500</td>
<td>1645.0</td>
<td>280.0</td>
<td>4928.1</td>
<td>805.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Ship</td>
<td>7,362</td>
<td>2061.4</td>
<td>368.1</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Rail</td>
<td>1,221</td>
<td>451.8</td>
<td>73.3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Concrete</td>
<td>1452.3</td>
<td>446.7</td>
<td>Rail</td>
<td>177</td>
<td>32</td>
<td>12.0</td>
<td>1537.3</td>
<td>475.4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Truck</td>
<td>58</td>
<td>53</td>
<td>16.3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

As shown in Figure 1, the assumed embodied energy of bamboo flooring materials is insignificant when compared to the transportation energy. In fact, the transportation energy for the bamboo flooring is more than 3 times the total embodied energy of concrete and generates 70% more greenhouse gas emissions than concrete on a per unit mass basis.

![Figure 1: Total Embodied Energy and Emissions for One Ton of Bamboo Flooring and Concrete](image)

Although bamboo flooring is not a common landscape material, this example serves to illustrate that the intent of incorporating environmentally friendly products into a design requires an assessment of the total footprint from source to final placement.

Mark Reiner served as a former Projects Director for Engineers Without Borders - USA, where he reviewed, advised and participated in the design for dozens of sustainable water, sanitation, alternative energy, and structural projects in communities throughout the developing nations of the world. He was also the co-lead on the infrastructure assessment for the Kigali, Rwanda Master Plan, which was recognized by the 2007 CCASLA Professional Design Awards.

Colorado Licensure Update: October, 2007 | Craig Coronato, ASLA

The last two months have seen a lot of activity around the development of licensure requirements for landscape architects in Colorado. After signing the bill into law in May, Governor Ritter appointed the five-member Board of landscape Architects in August. The Board consists of three landscape architects: Jennifer Staroska-McCoy, Jamie Ramos and Ted Ciavonnet; one Contractor, Todd Williams, and one lay member, Heather Jones. At the first board meeting in September, Mr. Ciavonnet was elected Chair of the Board. Board members will have staggered terms as determined by the appointments.

The Board is administered by the Department of Regulatory Agencies (DORA) with Charlie Adams the Board administrator and Angie Kinnaird Linn the Director of Boards. Applications for licensure, whether by examination, endorsement or prior practice will go through DORA. A website specific to the profession has been set up and is being populated with the requirements for licensure. As of this date information regarding Board meetings and licensure fees are there, but applications are not available yet. The law goes into effect on January 1, 2008.

While awaiting appointments proactive landscape architects led by CCLA convened a task force, led by Don Godi, FASLA, to develop draft Rules and Regulations for the Board to consider and adopt. Members of the Task force should be commended for their voluntary effort to develop these Rules, that govern the Boards application for the statue when considering applications, complaints and other matters of business. Task Force members were:
Don Godi, Chair
Alex Schatz
Laurie Cockerham
Zach Johnson
Jerry Adamson
Bob Williams

Recent updates and additional information are available on www.ccasla.org

Call for interest.

Dennis Brookie is this years VP Government Affairs and has formed the Government Affairs Committee. This committee will focus on legislation and monitor issues that affect landscape architects in Colorado. Please consider participating at any level with the committee by contacting: Dennis Brookie at 303-534-3881 or dbrookie@nuszer-kopatz.com.

WE COVER YOUR INFRASTRUCTURE™

On your next project use durable high quality cast iron tree grates, EJW has many sizes and styles to fit your project including our exclusive designer tree grates featuring innovative 3D patterns. Many of our grates can be personalized with custom lettering and motifs and are ADA compliant.

Call today for a Free Catalog 800.626.4653

EJW EAST JORDAN IRON WORKS EST. 1883 | www.ejw.com MADE IN THE USA
In the last issue, the CCASLA Fellows were listed and Lynn Moore, FASLA, inducted in 1995, was inadvertently overlooked and Kurt Culbertson, FASLA should have been listed as inducted in 1994. So, so, sorry Lynn and Kurt! CCASLA is pleased to have 30 Fellows. During the 2007 ASLA Annual Meeting in San Francisco, two CCASLA nominated Landscape Architects were inducted into the Council of Fellows during the Investiture Dinner. Bill Vitek and Gene Bressler joined the 2007 Class of Fellows and were recognized for their outstanding contributions to the profession. In attendance to share in their recognition were Don Godi, FASLA, Jerry Adamson, FASLA, Patrick Shea, FASLA, Craig Coronato, ASLA and Laurel Raines, ASLA.

At the CCASLA annual meeting in Estes Park, there was a Fellows Roundtable discussion with attendees to review the past and future influences on CCASLA landscape architects and consider upcoming opportunities and challenges for the next 20 years. During the upcoming year, opportunities for Fellows to participate in various CCASLA and other related professional exchanges will be encouraged by the CCASLA Executive Committee Fellows Representative, Patrick Shea. Participation and assistance are always welcomed. In addition, items of interest from the CCASLA Fellows community are also welcomed in this column.

LARE Review
There will be another LARE Review session on Saturday, November 10th, that covers the graphic portions of the exam. Please contact Lesanne Weller at lweller@architerra-group.com for more information.
WANTED: ARCHITECTS AND DESIGNERS

Many of our customers prefer to have us work directly with their landscape architect, architect, or designer to ensure that our lighting designs integrate with the desired look and intended use of the property. Outdoor Lighting Perspectives of Colorado (OLPC) is a proud Corporate Member of the American Society of Landscape Architects.

As one of 70 locations nationwide, OLPC currently has 1,000 installations from Estes Park to Colorado Springs. It is our pledge to provide our clients with the most thorough consultation during the design and pre-construction phases of your project. And, during construction you can be assured that OLPC will meet your most exacting standards and demanding deadlines.

See your work shine in a new perspective with the support of our lighting professionals. Take a look at our on-line portfolio at www.OutdoorLights.com and contact any of our representatives.

OUTDOOR LIGHTING PERSPECTIVES OF COLORADO

DENVER METRO/BOULDER 303.948.9656
FORT COLLINS/LOVELAND 970.490.1246
COLORADO SPRINGS 719.633.9205
TOLL-FREE 888.948.9656

© OLPC 2006

OUTDOOR LIGHTING PERSPECTIVES
THE ULTIMATE LIGHTING EXPERIENCE™
The Board of Trustees just completed their meetings at the ASLA Annual Meeting in San Francisco. This was the second of two yearly meetings to handle the business of the Society. An Annual Operating Plan is approved every year that establishes those initiatives where there will be an especially strong focus during 2008. The summary below highlights some of those initiatives.

**Finance and Business Operations**
- Increase both advertising income and corporate membership, respectively, by 10 percent.
- Coordinate the monitoring of water quality, roof temperature comparisons, and water runoff for the green roof.

**Member Services**
- Achieve 4 percent growth and a retention rate at or above 92 percent for full and associate members. Grow student membership by 10 percent and increase retention rates for students to 70 percent.
- Upgrade membership database, conduct quality assurance checks to maintain/enhance overall accuracy; gather and correct emails as needed to maintain a minimum of 85 percent accuracy in membership-wide email; review duplicate records; maintain a minimum of 90 percent of Full and Associate membership records linked to company identification numbers for Firm Finder.

**Government Affairs**
- Continue to develop and increase participation in ASLA's Advocacy Network for grass roots, state, and federal advocacy.
- Produce fact sheets, "white papers," and other supporting materials for legislative priorities and emerging issues.
- Support and grow federal advocacy by increasing visibility on Capitol Hill, working with federal agencies and departments, growing lobby day participation, growing in-district lobby day and partnering with federal landscape architects.
- Continue to make progress towards the 50 by 2010 licensure goal. Support chapters' licensure advocacy efforts through chapter visits, the licensure summit, the Licensure Grant program, and the distribution/posting of relevant licensure information.

**Meetings and Special Programs**
- Produce a high-quality annual meeting and EXPO that generates over $1,200,000 in profit net of salaries and continue to upgrade/expand the range of speakers and educational programs.
- Provide final recommendation on the direction and future of the Chapter Initiative Program (CIP).

**Education and Academic Affairs**
- Continue to support the Society and the landscape architecture profession by providing high quality continuing education programs and materials to members through partnerships.
- Implement the Landscape Architect Continuing Education System (LACES) with government affairs to make it easier for landscape architects to locate professional development opportunities and meet state mandatory continuing education requirements as well as acquiring information and skills to make them better landscape architects.

**Information and Professional Practice**
- Continue ongoing library collection development, while expanding online electronic catalogues of the reference material. Develop a circulation system for members and other libraries. Expand Professional Practice web pages using the new content management system.
- Work with the Professional Practice Committee to continue to develop collaborative partnerships with allied organizations and to provide additional products and services to members. Continue to partner with the Lady Bird Johnson Wildflower Center and the U.S. Botanic Garden to lead the Sustainable.

**Sites Initiative.**
- Support the growth and work of Professional Practice Networks, including transition to e-communities as a means of communication via threaded discussions, and transition to new content management system for publication of newsletters and other content on PPN web pages.
Landscape Architecture Magazine

- Landscape Architecture will continue to build on its award-winning quality and strong reputation among ASLA members to explore new topics in landscape architecture, which serve as a forum for key discussions.
- Expand on the new departments such as the Green Roof Case Studies; Stormwater Design; and Campus Profiles, and continue the popular Firm Focus series.

Public Relations and Resource Development

- Increase media coverage by five percent, including at least 10 articles in national media outlets (circulation >300,000); increase regional media coverage of National Landscape Architecture Month chapter events by three percent.
- Provide chapters with training and public relations tool kit and continue to enhance online resources. Assist chapters directly with public relations planning and coordination surrounding National Landscape Architecture Month activities.
- Complete website redesign and update/improve content and navigability, search, and expanded content management of the site.

In addition to the annual Operating Plan, the board approved the annual budget, heard reports from various groups and allied organizations, received an update on the Sustainable Sites Initiative, adopted amendments to the Society's Public Policies, and elected Honorary Members. Subsequent editions of Rocky Mountain Exposures will contain further information on the proceedings of the Board of Trustees.
Congratulations to 2007 CCASLA Professional Design Award Winners | Robb Williamson, ASLA

Please join me in congratulating this year’s recipients of CCASLA Professional Design Awards. Award winners are listed here; we will publish a Commemorative Publication with pictures as we did last year in early 2008. The jury of this year’s awards was comprised of members of the Utah Chapter of ASLA.

Category 1A: Design (Over $500,000 Construction Budget)

President’s Award Of Excellence:
Estes Park Riverwalk – Design Studios West, Inc.

Honor Awards:
Broadway Streetscape Renovation – Britina Design Group
Clayton Lane at Cherry Creek North Mixed-Use Redevelopment – studioINSITE, LLC.
University of Wyoming, Prexy’s Pasture – EDAW, Inc. / AECOM – Fort Collins

Merit Awards:
Anthem Welcome Lodge – DTJ Design
California Street Pedestrian Mall Redevelopment at Creighton Univ. – studioINSITE, LLC.
Castle Rock Regional Park – Douglas County Fairgrounds – Norris Design
Reunion – Norris Design
Three Springs Durango – DHM Design Corp.
The Wildlife Experience – Civitas, Inc.

Land Stewardship Designation:
Estes Park Riverwalk – Design Studios West, Inc., (pictured above)

Category 1B: Design (Under $500,000 Construction Budget)

Honor Awards:
Cypress Ridge – LDC, Inc.

Merit Awards:
California Streetscape Improvements – studioINSITE, LLC.
Little Laramie River Restoration at Fish on Ranch – R Design

Pikes Peak Center for the Performance Arts – LDC Inc.

Category 2: Planning & Urban Design

President’s Award Of Excellence:

Honor Awards:
Ameya Preserve – Design Workshop - Aspen
Durango Community Park Master Plan – Design Concepts CLA, Inc.
Henderson Open Space and Trails Plan – EDAW, Inc. / AECOM – Fort Collins
Kigali Conceptual Master Plan – EDAW, Inc. / AECOM - Denver

Merit Awards:
Agilent Technologies Landscape Master Plan for Sustainability – EDAW, Inc. / AECOM – Fort Collins
Blue Lake Park Nature and Golf Learning Center – Design Workshop - Denver
Burlingame Affordable Housing – Bluegreen
Centennial Greenway – Civitas, Inc.
Cheyenne Botanic Gardens, Children’s Village for Sustainable Living – EDAW, Inc / AECOM – Fort Collins
La Cantera Phase III – Design Workshop - Denver
Nevada Dept of Transportation Statewide Landscape and Aesthetics Corridor Plans – Design Workshop – Aspen
Nouveau Kiskeya – A New Hope for Haiti – Norris Design
Stapleton Highschool – The Archterra Group, Inc.
West Bench General Plan – EDAW, Inc. / AECOM – Fort Collins
Whitlock Park Master Plan – Mundus Bishop Design, Inc.

Land Stewardship Designation:
Ameya Preserve – Design Workshop, (pictured above)
Blue Lake Park Nature and Golf Learning Center – Design Workshop,
Cheyenne Botanic Gardens, Children’s Village for Sustainable Living – EDAW, Inc / AECOM – Fort Collins
Kigali Conceptual Master Plan – EDAW, Inc. / AECOM
Category 3: Research and Communication

Honor Awards:
3D Visualization: Communicating the Designed Environment – Norris Design
Cherry Creek Valley Ecological Park Activity Book – Vallerian, LLC.

Merit Awards:
Drawn Outside: Acknowledging Collaboration - Bluegreen

Land Stewardship Designation:
Cherry Creek Valley Ecological Park Activity Book – Vallerian, LLC., pictured above

Category 4: Residential Design

President’s Award Of Excellence:
Flowers in Space – Marpa Design Studio, Inc.

Honor Awards:
Gratia – Bluegreen

Merit Awards:
Opus 22 – Marpa Design Studio, Inc.
Upper East Side – Bluegreen
Zen Captured – Bluegreen

---

2008 CCASLA Executive Committee

Following a very exciting election, rivaled only by the recent Presidential Debates, please welcome the new 2008 CCASLA Executive Committee

Trustee At Large Members:
Ron Bevans
Presidential Director
Pat Mundus
Ian Anderson
President
Northern Director
President Elect
Kurt Munding
Kim Douglas
Southern Director
Immediate Past President
Cody Funk
Mark Tabor
Western Director
VP Programs
Sheri Sanzone
Scott Sinn
GREENCO
Courtney McRickard
Josie Joosten
Fellow
Dennis Brookie
Patrick Shea
VP Government Affairs
Professional
Dennis Nagao
Secretary
Education Coordinator
Kerry White
Treasurer
News Director
Gail Barry
Chris Condit

Student Education
Lesanne Dominguez

CSU Student Representative
Matthew Leigh

UCD Student Representative
TBD

Rocky Mountain Exposures | 15
Governor's Award for Best Public Space

The Governor's Awards for Downtown Excellence is an annual awards program that recognizes the progress being made in revitalizing Colorado's historic downtown and neighborhood business districts and the contributions these districts are making to Colorado's quality of life and economy. Projects are judged on the basis of their impact on a revitalization effort, innovation, use and celebration of the unique assets of a community and the efficient use of local resources.

Cimino Park in Trinidad, CO, completed in August of 2007, received the award for Best Public Space at the Colorado Community Revitalization Conference. This project category recognizes public space improvements that have enhanced the urban design, physical function and economic viability of communities.

Situated on a former industrial site on the Purgatoire River within Trinidad's National Historic District, the 2-acre park was a part of the ambitious Trinidad Redevelopment Plan begun in 2000, which included the creation of riverfront parks and trails, a sports/recreation complex, brick street restoration, infrastructure improvements and the establishment of pedestrian and vehicular linkages.

View of Cimino Park from Purgatoire River

Cindi Rowan, ASLA, Principal of Rowan Design and Consulting and now Senior Landscape Architect with Consilium Design in Centennial, CO, worked closely with Trinidad community members, funding partners and former Planning Director Karl Gabrielson to create a park that represents the unique history and culture of the area and honors the pride that Trinidad residents feel in their community while integrating into the character of the downtown Historic District. The park design centers
around a circular plaza with a stained concrete pattern representing Trinidad’s Civic Flower, the Blue Moonflower, featuring seating planters crafted from local sandstone and an interactive pop-jet fountain. A steel pergola inspired by regional mining structures and rail stations provides a backdrop for events and performances held in the plaza. At the northern edge of the park, two regulation bocce courts celebrate the City’s Italian-American heritage. Shade Sails along the riverwalk have become very popular and provide heavily used picnic opportunities. The northern entrance is flanked by a pair of buildings inspired by local Arts and Crafts architecture housing restrooms and infrastructure and the southern end is anchored by a towering wood and steel HAGS play structure that also echoes mining buildings and is personalized by a seat wall containing tiles created by local youth with the Partners organization. The park is also programmed to provide space for the Farmers Market and arts organizations. Total project cost was $1.1 Million and included funding from Great Outdoors Colorado!, Colorado Department of Local Affairs, the Energy and Mineral Impact Assistance Fund, Trinidad Community Foundation, Trinidad Capital Projects Fund and in-kind contributions from designers and contractors.

The park was named for Trinidad Community Foundation co-founder Jay Cimino, former Trinidad resident and CEO of Phil Long Ford. Design team members included Rowan Design and Consulting, LLC, Landscape Architect; TSG Design Group and Just Engineering. Construction was performed by Trinidad contractor Purgatoire Valley Construction and Solid Earth Landscape of Pueblo, led by Project Manager Mike Valentine, Public Works Director for the City of Trinidad.

Rowan Design and Consulting has been at the forefront of many important civic and commercial projects in Southeastern Colorado and Northern New Mexico.

Principal Cindi Rowan, ASLA taught and developed a design program at Trinidad State Junior College which allows students to obtain advanced standing in the Environmental Design program at the University of Colorado. She also served as President of the Trinidad Main Street Group and Economic Development, founded a Downtown Revitalization organization in conjunction with the Chamber of Commerce and Tourism Board, and gave regular free workshops on Xeriscape and sustainable landscape design. Cindi spoke at the 2005 ASLA annual meeting on sustainable design in Fire-prone regions. She recently joined forces with Consilium Design, a multi-disciplinary landscape architecture and planning firm and is involved in projects up and down the Front Range and Northern New Mexico.

Aerial view of Cimino Park

DISCOVER THE
DAVEY DIFFERENCE
Let the knowledge of a company that has cared for America’s landscapes since 1880 work for you.

- Tree Preservation & Consultations
- Tree Maintenance Programs
- ISA Certified & ASCA Consulting Arborist
- Landscape/Irrigation Installations
- Certified Member of Tom Martino’s Troubleshooter Network

www.davey.com

303-750-9273
Employee Owned Serving the U.S. & Canada for more than 100 years!
DOLLARS AND SENSE OF SUSTAINABLE DEVELOPMENT

Speaker Event Series

Wednesday, November 7, 11a.m. – 1p.m.
11 – 11:30 a.m. Onsite Registration/Networking
11:30 a.m. – 1 p.m. Program

Location:
Westin Tabor Center | Continental Ballroom
Mezzanine Level, 3rd Floor | 1672 Lawrence Street
Denver, Colorado 80202

Costs:
Members*: $55 | Non-members: $70
Student/Young Leaders Group: $30
*Members from USGBC will be honored at the member rate.

Thinking of joining ULI? New private-sector members may join for $350 (a $25 savings) and receive a free registration for this event—a $55 value. Offer limited to 50 and does not include Young Leaders, public sector members, or students.
ULICOLORADO.org

Sustainable development is the topic d'jour, but how can it be made practical and profitable for real estate professionals? Come learn from a luncheon talk featuring John L. Knott, Jr., of the Noisette Project, North Charleston, SC. As President/CEO and co-founder of the Noisette Company, LLC, Mr. Knott leads the team collaborating on the sustainable restoration of 3,000 acres of the city's historic urban core and parts of the former Charleston Naval Base.

Come learn how sustainable development is planned, financed, marketed, and crucially, how it pays off. Mayor Hickenlooper will discuss his Greenprint Denver program and introduce the keynote speaker.

Register today as seating is limited. For more information or to sign up, go to ULICOLORADO.org.

ULI Colorado
Experience Leadership Knowledge

ULI Colorado is the fifth-largest District Council of the 37,000-member Urban Land Institute. We offer education tours, seminars, workshops and community outreach opportunities for our 1,500 members and their guests. Some 200 members serve on 15 committees including education, Young Leaders, sponsorship, and membership. ULI Colorado is widely recognized for its research and outreach on the potential for transit-oriented development (TOD) around FixTrucks.
Legs and fingers do the walking on Boulder’s new cell phone tours

Visitors wanting to know more about what’s gone green with a few of Boulder’s commercial buildings are only a dial away with a cell phone.

The cell phone tours now in place for three “green” sites: the Environmental Center of the Rockies, the Boulder Community Foothills Hospital and the Boulder County Recycling Center are the start of a pilot program being promoted by a partnership of the city of Boulder’s Water Conservation Office and the Boulder Convention and Visitors Bureau. Visitors may access information about the Pearl Street Mall as well, getting a quick taste of its culinary, shopping and arts offerings. Organizers hope other local businesses and attractions will see the appeal and convenience for visitors and will want to join the program.

“Boulder is a popular destination city and is well known for being green in so many respects,” said Paul Lander, city of Boulder water conservation specialist. “And travelers to cities worldwide are finding greater convenience and an enhanced visitor experience using cell phone and downloadable technology to tour attractions and facilities. Many sites charge a fee for this service, but we want to test the market and the potential for additional sites, so for now, it’s a free program.”

By dialing (703) 342-0606 on their cell phones, listeners will learn about the various investments made in green building for the three sites currently on the tour. These measures include solar electricity, xeriscape, strategies for dealing with storm runoff, efficient windows and heating and cooling systems, and the use of products made from recycled materials. The Boulder Community Foothills Hospital is the first hospital in the country to be certified through the U.S. Green Building Program.

“This is a great opportunity for visitors to Boulder to learn more about green building applications,” said Lander. He feels that in addition to being a good model of sustainability, Boulder has so many other features and attractions that could be promoted similarly -- “Being able to tour a location using a device you already own makes this program convenient for the listener and limitless in terms of businesses that could participate.” All of the tours are free, take approximately 30 minutes, and are easy to reach by bike or by bus. The four tours and their offerings are:

- Historic Downtown Boulder-the Pearl Street Mall, on Pearl Street between 9th and 15th streets (Dining, shopping and entertainment)
- The Environmental Center of the Rockies, 2260 Baseline Rd. (On-site water treatment strategies, xeriscape and smart energy design)
- The Boulder Community Foothills Hospital, 4747 Arapahoe Ave. (LEED award-winning energy and environmental design, xeriscape and solar electricity)
- Boulder County Recycling Center at 1901 63rd St. (Recycled building materials, xeriscape, wetlands protection/on-site water treatment)

For more information about the Boulder Cell Phone Tours, visit www.bouldercoloradousa.com, or call the Boulder Convention and Visitors Bureau at (303) 442-2911. For water conservation information, please contact Paul Lander at (303) 413-7407 or visit the city Web site: www.bouldersaveswater.net

SiteWorks

Services, Inc.

Professional Support Services for Landscape Architects and Project Owners

- Plan and Spec “Redlining”
- Spec Writing
- Bid Procurement
- Construction Administration
- Problem Solving
- Value Engineering
- Project Cost Analysis
- Construction Techniques
- Drawing Conventions

Michael Catalano
(720) 260-9331
catalanositeworks@comcast.net
Downs & Associates would like to assist you with all of your site furniture needs. We represent the following manufacturers:

- Victor Stanley Inc.
- Ironsmith
- Madrax
- Omega II
- Dinoflex

Introducing nu from Santa & Cole and Landscape Forms

SANTA & COLE®
landscapeforms®

Vivian Kovacs, Denver Sales Office
888.741.6739  303.799.0028  303.799.0029 fax
viviank@landscapeforms.com
A Major shift in the Rocky Industry: Colorado Hardscapes and di Giacomo Merge

Colorado Hardscapes, Inc., has acquired di Giacomo, Inc., the California based company formerly owned by world famous rockscape creator Phillip di Giacomo. Colorado Hardscapes possess a rich, proud sixty-year history that began with gray concrete and evolved into decorative markets that include architectural grade concrete, artificial rock and water feature disciplines. This merger channels two creative forces into a formidable alliance in the world of outdoor environments.

“Lots of people think I’ve stopped working or even that I’m dead,” says Phillip di Giacomo, “both reports are false. I’ve never stopped working; I never want to stop working. I just don’t want to run a business anymore. Taxes, insurance, paperwork — I don’t care about that stuff. I care about designing and building rock formations that enhance people’s lives.”

Philip di Giacomo sought out third-generation, family owned Colorado Hardscapes because CEO Vince Van Heukelem is unique among owner’s in construction. Vince has strengthened Colorado Hardscapes by joining business processes with production, and as di Giacomo says, “Here’s a sixty year old company who could easily rest on their laurels but they don’t. They care about making their work better; they’re constantly asking the questions about the process, about how to improve the work.”

Currently, the di Giacomo division of Colorado Hardscapes is working on the MGM Grand in Las Vegas, a public art project in Atlanta that is under contract for the remainder of 2007, and several international projects that are being examined for 2008. Phillip di Giacomo will divide his time between his California studio and Colorado Hardscapes’ Design Center and offices in Denver.

We welcome you to sign up for our e-newsletter at www.arborvalleynursery.com/advantage.

You will find helpful hints, be introduced to new plants and read about project highlights.

By signing up for the e-newsletter, you will also be registering to receive our hot lists, monthly specials and invitations to upcoming events!
“Golf, Anyone?”

Once again, we had a beautiful day for our ‘12th Annual CCASLA Golf Classic’ at Saddle Rock Golf Club on Friday, August 24th! Good cheer and comradeship was had by many of our landscape architects, contractors and suppliers. Our heartfelt thanks to Jim Pokorny (Goodland Construction), Vivian Kovacs (Landscape Forms) and Teresa Unruh (Colorado Hardscapes) for once again bringing together a great tournament and making sure everyone had a great time! The generous contributions of all the wonderful sponsors enabled us to give out over $3000 in cash, prizes and gift certificates, plus over $3000 will be donated back to our CCASLA chapter.

Again, many thanks to the dedicated sponsors who make this event possible. Please take a moment to check out this list and remember to thank them. Make sure to mark this event on your calendar for next year!

CCASLA Extends a Special “Thank You”
To The 2007 Golf Tournament Sponsors

Tent Sponsors
American Civil Constructors
Graff’s Turf Farms
Valley Crest

Prize Sponsors
Grand Prize: Landscape Forms
Hole-in-One Prize: Keller-Lowry

Event Sponsors
CoCal
HydroSystems
LandTech Contractors
Ken’s Reproduction
Hunter Industries
Colorado Hardscapes
Power Motive
Rainbird

Hole Sponsors
All-Phase Landscaping
Associates Insurance Group
Churchich Recreation
DHM Design
Cherry Creek Tree Farms
DBC Irrigation Supply
CPS Distributors
Nuszer Kopatz
HRH Insurance
Scott Larson, PC
Norris Design
Woods Site & Playscapes
Pavestone Company
Mark Your Calendars for the ProGreen Expo

ProGreen Expo is one of the largest Green Industry Trades shows in the Western United States! The Expo will be held from Monday, January 21 through Friday, January 25, 2008 at the Colorado Convention Center. Thursday and Friday are packed with great speakers and there are design topics of interest throughout the program. Some of the highlights will be:

Wednesday, January 23
- Watershapes: Design and Construction - Martin Mosko
- Unique Design Principles: Varied Plant Material for Large Residential Landscape Installation Steve Coughran
- How to Create Pet Friendly Yards - Elizabeth Bublitz

Thursday, January 24
- Pots as Water Fountains - Anita Wilson
- New Paradigms in Landscaping with Native Plants - Randy Mandel
- Improving Trees in Urban Conditions - James Urban
- The Emerging Risks of Sustainability in Design & Construction - Jeff Grigsby, Victor O. Schinner Company

Friday, January 25
- Grasses for Livable Landscapes - Rick Darke
- Growing Trees with Concrete - Tom Smiley
- Firewise Landscaping - Keith Worley
- Woody Plants: The Tried & True and the Underappreciated - Alan Rollinger
- From "Value" Engineering to "Green" Engineering - Jay Griffin and Greg Garnet
- ADA Accessibility Guidelines for Site Planning, Playgrounds, and Public Spaces - Peggy Greenwell, U.S. Access Board

...And don’t forget about attending the trade show with over 700 exhibitors from the Green Industry. Take advantage of this value added program available at a discounted registration price for members of ASLA. Full programs and registration material for the Expo will be mailed to all CCASLA members, or go to www.progreenexpo.com for all the details.

Nuszer Kopatz Announces Promotions & New Staff

Greg Lockridge, AIA, LEED AP, has been promoted to senior associate within Nuszer Kopatz’s newly formed architecture studio. The architecture studio has also added Stacey Brady and Lisa Frahm as project managers; and Matthew Mullane, Rori Knudtson, Carissa Holstad and Zachary Bloomer as architectural interns. Andrew Harrah has been promoted to associate in the firm’s landscape architecture studio. Justin Clark, who heads the firm’s IT department, was also promoted to associate.

Nuszer Kopatz is a land planning, landscape architecture, architecture and community visioning firm partnering with builders and developers to create diverse, next-generation communities and mixed-use projects that achieve an ideal balance of beauty, livability and functionality. The firm is headquartered in Denver with offices in Phoenix, Steamboat and Fort Collins. For more information, please visit www.nuszer-kopatz.com.

Design Studios West Announces New Staff & Honor Award

Design Studios West, Inc., specializing in landscape architecture, planning and urban design, has added six new staff members:

David Gregory, Landscape Architect, provides conceptual site design and construction documentation on a variety of landscape architecture and urban design projects. As a graduate of the University of Colorado’s dual Master’s degree program in Landscape Architecture and Urban and Regional Planning, David’s interest lie in testing theoretical design ideas against practical systems approach to landscape design.
Todd Rutherford, Landscape Architect, provides design and graphic assistance on a variety of projects, while focusing on urban and sustainable design. He holds a Bachelor’s Degree in Landscape Architecture from Colorado State University, along with a Bachelor’s Degree in Botany and Fine Arts. These backgrounds are brought together at Design Studios West, where he integrates landscape ecology principles in developing design solutions. His exceptional graphic skills coupled with his interest in sustainability provide a useful combination of complimentary talents.

Mary Margaret Little, Planner, focuses on creative graphics site planning solutions for a variety of projects. She will receive a Master of Urban and Regional Planning from the University of Colorado at Denver in December has and a Bachelor of Arts in International Affairs. Her skills as both a planner and project coordinator on projects ranging from large-scale master planned communities to mixed-use urban in-fill projects, along with a thorough understanding of the principles and methods of community planning, design, and graphics will be of great value to clients.

Mackenzie Pett, Landscape Architect, will provide design and planning support for large-scale community master plans. She is a graduate of the University of Colorado at Denver’s dual masters program in Landscape Architecture and Urban and Regional Planning where she engaged in studios that focused on the rehabilitation of New Orleans’ Lower Ninth Ward and community development on West Colfax in Denver. She previously held internship positions at the Denver Zoo, the City of Thornton and Terraverde Architects. She was named the UCD School of Architecture and Planning Outstanding Graduate of Landscape Architecture.

Jennifer Carpenter, ASLA, LEED AP, Landscape Architect, applies her project management experience on community master plans and landscape projects as a Senior Landscape Architect. She holds a Bachelor’s Degree in Landscape Architecture from Ball State University in Indiana, with a double minor in Natural Resources & Environmental Management and Urban Planning & Development. She brings with her a vast knowledge of site development, construction methods and techniques, and is responsible for the preparation of design development, final design, and construction documentation.

Heather Fails, Graphic Designer, is responsible for coordinating planning and production of all project related graphic design. She provides graphics and layout for all technical reports, electronic/visual communications, and company presentations. Heather has a background in both fine arts and digital arts that is reflected in her work, ranging from producing graphics and identities for small local companies to international conglomerates. She holds a Bachelor’s of Fine Arts Degree in Visual Communications from Truman State University, Missouri. She previously worked at Gambro BCT, Inc. and 4U2C Printing.

**Awards:** Design Studios West, Inc. is honored to have been the landscape architect for Opus Northwest, LLC on the General Services Administration/Department of Transportation Building in Denver that recently won the Honor Award for 2007 Design Excellence awarded by the Jefferson County Board of Commissioners and Planning & Zoning Division.
Whatever your project needs, we have all your paver solutions.

IMPROVING YOUR LANDSCAPE WITH QUALITY HARDSCAPES
CONCRETE PAVE STONES • SEGMENTAL RETAINING WALLS • EROSION CONTROL

PAVESTONE
Improving Your Landscape™
pavestone.com

© 2007 Pavestone Company. All Rights Reserved. PAVESTONE & Improving Your Landscape and Venetian Stone are trademarks of the Pavestone Company.
At CoCal, Flower Power never went away.

We have to admit it — after all these years, we still believe in Peace, Love and Understanding.

**Peace** — because our customers have peace of mind, knowing they are taken care of by Colorado's most reputable landscape firm. **Love** — because we truly love making our state more beautiful. And **Understanding** — because we understand and respond to the special needs of Colorado landscaping.

What could be more groovy than that, man?

---

CoCal Landscape

Denver
303-399-7877
Colorado Springs
719-473-5607

Longmont
303-774-0599
Fort Collins
970-493-7623

www.cocal.com
<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Location</th>
<th>More Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>11.1.07-11.3.07</td>
<td>Second Annual Colorado Environmental Film Festival</td>
<td>American Mountaineering Center, Golden, CO</td>
<td><a href="http://www.cae.org/ceff.html">www.cae.org/ceff.html</a></td>
</tr>
<tr>
<td>11.7.07</td>
<td>ULI - Dollars and Sense of Sustainable Development</td>
<td>Westin Tabor Center</td>
<td>Details on the ccasla.org Events Page</td>
</tr>
<tr>
<td>11.7.07-11.8.07</td>
<td>Seminars on Sustainable Plantings at Western Turfgrass &amp; Landscape Expo</td>
<td>Pomona Fairplex, Los Angeles, CA</td>
<td><a href="http://www.landscapeonline.com">www.landscapeonline.com</a> or Call 714-979-5276</td>
</tr>
<tr>
<td>11.9.07</td>
<td>6th Annual City of Boulder Landscape Ecology Symposium</td>
<td>Boulder Public Library</td>
<td><a href="http://www.ccasla.org">www.ccasla.org</a> Events Page or contact Renae Foxhoven at 303-484-0820</td>
</tr>
<tr>
<td>11.10.07</td>
<td>LARE Review Session</td>
<td>TBD</td>
<td><a href="http://www.ccasla.org">www.ccasla.org</a> Events Page</td>
</tr>
<tr>
<td>11.13.07</td>
<td>Porous Asphalt Pavement hosted by CAPA and the RMAEC</td>
<td>RMAEC 6880 South Yosemite Centennial, CO</td>
<td><a href="http://www.ccasla.org">www.ccasla.org</a> Events Page</td>
</tr>
<tr>
<td>11.15.07-11.16.07</td>
<td>From the Ground Up: Colorado State Brownfields Conference.</td>
<td>Doubletree Hotel at Stapleton, Denver</td>
<td><a href="http://www.coloradobrownfieldsfoundation.org">www.coloradobrownfieldsfoundation.org</a> or call 303-962-0940</td>
</tr>
<tr>
<td>11.29.07-11.30.07</td>
<td>Land Use Law: How To</td>
<td>Hyatt Convention Center, Denver</td>
<td><a href="http://www.cle.com/landuseco">www.cle.com/landuseco</a></td>
</tr>
<tr>
<td>1.21.08-1.25.08</td>
<td>ProGreen Expo</td>
<td>Colorado Convention Center, Denver</td>
<td><a href="http://www.progreenexpo.com">www.progreenexpo.com</a></td>
</tr>
<tr>
<td>2.6.08-2.8.08</td>
<td>Saving Places 2008</td>
<td>Sherman Street Event Complex, Denver</td>
<td><a href="http://www.coloradopreservation.org/spc/">www.coloradopreservation.org/spc/</a></td>
</tr>
<tr>
<td>4.30-5.2.08</td>
<td>Sixth Annual International Greening Rooftops for Sustainable Communities Conference, Awards &amp; Trade Show</td>
<td>Baltimore Convention Center</td>
<td><a href="http://greenroofs.org/baltimore/">http://greenroofs.org/baltimore/</a></td>
</tr>
</tbody>
</table>

Visit the CCASLA Website for regular calendar updates at www.ccasla.org