

# GREEN COMMUNITY

2008-2009 INTERNATIONAL STUDENT DESIGN COMPETITION  
How can we plan, design, and construct the world between our buildings



**NEW  
ONLINE  
SUBMISSIONS**

## INTRODUCTION

The 2008-2009 **GREEN COMMUNITY** Competition is oriented to challenge students to rethink their communities. From major cities to college campuses designers, planners, policy makers, and citizens are rethinking their own towns and cities' relationship to the environment, from where the energy originates, to where the garbage goes. **GREEN COMMUNITY** Competition will expand on themes from the National Building Museum's sustainable exhibits Green Community (2008-2009), Big and Green (2003), and The Green House (2006-2007). **GREEN COMMUNITY** Competition will focus entirely on the issues of sustainable development—how can we plan, design, and construct the world between our buildings.

**GREEN COMMUNITY** Competition will encourage students to consider environmental sustainability dependant upon collective, community-scale efforts. The competition will also examine ways of reducing the impact of our built environments on the Earth. The competition will explore sustainable planning strategies such as brownfield/grayfield redevelopment, transit-oriented communities, natural resource management, urban agriculture, and land conservation.

## THE CHALLENGE

**GREEN COMMUNITY** Competition offers students the opportunity to think critically about their communities looking to a sustainable future. Locate a site in your local community or region, identify the barriers and strengths to living sustainably, and develop a proposal to create a flourishing and sustainable community using the tools of the environmental design disciplines: architecture, landscape architecture, and urban planning.

## CRITERIA FOR JUDGING

Criteria for the judging of submissions will include: creativity in the design solution, successful response of the design to its surrounding context, and successful response to the full range of issues within the concept of sustainability, such as the fundamentals of architecture in accommodating human activities, use of appropriate technologies, and stewardship of resources.



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## COMPETITION SPONSORS

Since 1857, the **American Institute of Architects (AIA)** has represented the professional interests of America's architects. As AIA members, over 74,000 licensed architects, emerging professionals, and allied partners express their commitment to excellence in design and livability in our nation's buildings and communities. Members adhere to a code of ethics and professional conduct that assures the client, the public, and colleagues of an AIA-member architect's dedication to the highest standards in professional practice. [www.aia.org](http://www.aia.org)



**Ehrenkrantz Eckstut & Kuhn Architects (EE&K Architects)** is an internationally-renowned firm that has distinguished itself by creating great places. EE&K Architects has proven expertise in a variety of project types, including large-scale mixed-use developments, university buildings and plans, elementary and secondary schools, transit systems, office buildings, waterfronts, and preservation and adaptive reuse. Throughout such wide-ranging projects, there remains one primary constant: a dedication to complementing form and shape with use and context. EE&K Architects considers each project, no matter its size, worthy of big thinking. After examining how a building or plan affects and is affected by its surroundings, the resulting design is uniquely suited for what it provides and to whom it is provided. In its 50 years of practice, EE&K Architects has established a thoughtful, careful approach to design. A successful project is one that enhances its surroundings, fulfills needs, and lasts for generations. Our team is committed to an integration of styles and uses that creates a livable, beautiful city. [www.eekarchitects.com](http://www.eekarchitects.com)



**Duany Plater-Zyberk & Company (DPZ)** is a major leader in the practice and direction of urban planning, having designed over 300 new and existing communities in the United States and overseas. DPZ's projects have received numerous awards, including two National AIA Awards, the Vincent Scully Prize, the Thomas Jefferson Medal and two Governor's Urban Design Awards for Excellence. The firm's early project of Seaside, Florida, was the first authentic new town to be built successfully in the United States in over fifty years. In 1989, Time Magazine selected Seaside as one of the 10 "Best of the Decade" achievements in the field of design. The firm has been featured in other national media such as NBC News and ABC News, as well as Newsweek, the New York Times, the Washington Post, and the New Yorker. [www.dpz.com](http://www.dpz.com)



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## COMPETITION ORGANIZERS

The **Association of Collegiate Schools of Architecture** is a nonprofit, membership association founded in 1912 to advance the quality of architectural education. The school membership in ACSA has grown from 10 charter members to over 250 schools in several membership categories. These include full membership for all accredited programs in the United States and government-sanctioned schools in Canada, candidate membership for schools seeking accreditation, and affiliate membership for schools for two-year and international programs. Through these schools, over 4,000 architecture faculty are represented. In addition, over 500 supporting members composed of architecture firms, product associations and individuals add to the breadth of interest and support of ACSA goals. ACSA provides a major forum for ideas on the leading edge of architectural thought. Issues that will affect the architectural profession in the future are being examined today in ACSA member schools. [www.acsa-arch.org](http://www.acsa-arch.org)



The **National Building Museum** is America's leading cultural institution dedicated to exploring and celebrating architecture, design, engineering, construction, and planning. Chartered by Congress in 1980 and open to the public since 1985, the Museum has become a vital forum for exchanging ideas and information about the built environment through its exhibitions, education programs, and publications. The Museum is located at 401 F Street NW, Washington, D.C. Museum hours are Monday through Saturday from 10 am to 5 pm and Sunday from 11 am to 5 pm. Admission is free. Museum Shop. Café. Public inquiries: 202.272.2448 or visit [www.nbm.org](http://www.nbm.org).



Essential to the profession for more than 110 years, **Architectural Record** provides a compelling editorial mix of design ideas and trends, building science, business and professional strategies, exploration of key issues, news products and computer-aided practice. In addition, [architecturalrecord.com](http://architecturalrecord.com) supplements the monthly magazine with expanded multimedia project stories, in-depth interviews with giants of architecture, daily news updates, weekly book reviews, green architecture stories and archival material, as well as links to people and products and access to online continuing education credit registration. [www.archrecord.construction.com](http://www.archrecord.construction.com)





**WHERE.** Your neighborhood...Local, national, international.  
Towns, cities, neighborhoods, schools, networks.  
Green from gray and brown, Preserve and change.

## PEOPLE

**HOW.** Policies, planning, innovations. New technologies and time-honored techniques.  
The traditional and the unconventional.

## TIME

## PLACES

**WHO.** You...Gathering to change their communities.  
Carrying the legacy of experience to the next generation.  
Learning, exchanging, conserving, rethinking.

## KNOWLEDGE

**WHEN.** Right now this moment, right now. Change is already here.  
Honor the past, address the present, plan for the future.  
Generate sustainable processes Create healthy places.

## PROGRAM

Students along with their Faculty Sponsor should choose a project that will benefit their community or region. Submissions must clearly demonstrate the design solution with a mature awareness and innovative approach to environmental issues; an articulate mastery of formal concepts and aesthetic values; a thorough appreciation of human needs and social responsibilities; and a capability to integrate functional aspects of the problem. Teams should be interdisciplinary, including students from architecture, urban planning, and landscape architecture as well as other fields.

Students are encouraged:

- to work with local people and institutions to identify the problems and potentials in the current social and ecological community;
- to think and work across disciplines to understand, identify and solve problems;
- to consider adaptive a range of reuse strategies for buildings, landscapes, and sites to apply the best of contemporary knowledge, technologies, and design strategies to address these complex problems;
- to document the anticipated impact of their interventions on the community.
- 

### What kind of community is green?

Reclaimed and repurposed brownfield and grayfield sites, transit-oriented developments, compact communities combined with land conservation, communities focused on stewardship of natural resources, & waste conservation.

### How can we make communities green?

|       |  |
|-------|--|
| EARTH | Edible landscapes, urban agriculture, geothermal energy, & xeriscaping |
| AIR   | Wind farms, trees for natural cooling, pollution & emissions reduction |
| FIRE  | passive and active solar strategies, waste to energy systems           |
| WATER | Water recycling, flood plain management, & damless hydropower          |

### How can we incorporate agricultural urbanism?

Agricultural urbanism is a tool for planning and designing more sustainable food systems. Incorporating agricultural urbanism creates communities that can feed themselves by allowing each of its resident's to participate in food production. To design for more self sustaining community students should consider the use of window planters, planting balconies, vertical gardens, rear yard kitchen gardens, allotment gardens, or small farms.



## **SITE**

The site for the competition is the choice of the student and/or faculty sponsor. It must be in an urban context, close to public transportation and to city amenities. Submissions will be required to demonstrate graphically or otherwise the site selection and strategy.

## **CODE INFORMATION**

Refer to the International Building Code and the local zoning ordinance for information on parking requirements, height restrictions, set backs, easements, flood, egress, and fire containment. Challenges to conventional rules--parking requirements, for example-- are encouraged but should be explained, made explicit and integral to the overall solution.

## **CONSTRUCTION**

The focus the project is conservation and sustainability as means to achieve better, healthier, and more beautiful communities. Teams are encouraged to explore strategies and techniques that reduce overall construction cost and waste, and that use innovative methods of design, fabrication and construction.



## RESOURCES

Following are highlights of a few of the projects that are presented in the National Building Museum's Green Community Exhibit. For the complete set see [www.nbm.org](http://www.nbm.org). These projects are examples of communities that are taking positive steps toward making human settlements more sustainable.

### GALISTEO BASIN, NEW MEXICO

Located 15 miles southeast of Santa Fe, Galisteo Basin Preserve is a fragile and ecologically significant area celebrated for its spectacular scenery. To protect this 12,800-acre habitat, Commonweal Conservancy has purchased the entire preserve with plans to integrate a 300-acre compact village into a site where 96 percent of the land is protected in perpetuity by conservation easements.

### GREENSBURG, KANSAS

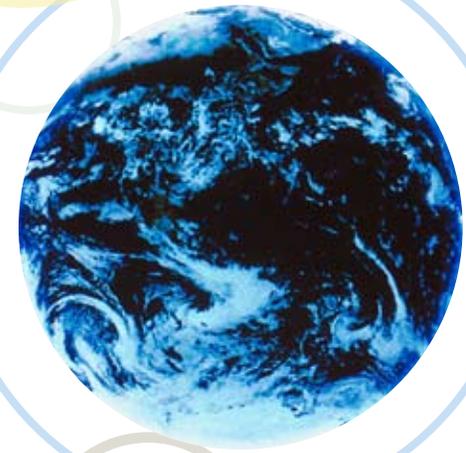
Greensburg's past and future have been defined by the uncertain elements of wind and water. Once a water stop for stagecoaches and steam engine trains, home to the world's largest hand-dug well, and located within a flood plain, the town was nearly leveled by a 2007 tornado that left less than 10 percent of the town's buildings standing. Working with BNIM Architects, this community of 1,400 is taking the opportunity to redefine its very core, adopting a resolution that all new buildings will meet LEED Platinum standards, and committing to a town center that is dense and pedestrian-friendly. Integrated flood control practices and natural storm water management systems acknowledge Greensburg's age old, tenuous relationship with the source of its prosperity.

### HIGHLANDS' GARDEN VILLAGE, DENVER, COLORADO

A community landmark, this 1890 park once included a botanic garden, zoo, amusement park, and theater, all of which had fallen into disuse after the park's closure in 1994. Now, Highlands' Garden Village, developed by Jonathan Rose Companies, has been reborn as a lively and eco-friendly redevelopment containing mixed uses and offering housing and homeownership choices for people of all incomes. The historic theater and other park landmarks were retained, as well as gardens and mature trees, maintaining the community's identity and character.

### MASDAR CITY, ABU DHABI, UNITED ARAB EMIRATES

In 2008, groundbreaking ceremonies for Abu Dhabi's newest city kicked off a commitment to create a zero-carbon footprint in a highly urban setting. When it is completed in 2018, Masdar City will be car-free, offering a range of transit options and walkable, cycle-friendly streets. Shaded walkways and streetside canals will provide natural cooling of sidewalks in this hot desert climate. The planning team is being led by Foster + Partners with the Abu Dhabi Future Energy Company.



# COMPETITION GUIDELINES

## SCHEDULE

|                  |   |
|------------------|---|
| December 5 2008  | Registration begins, online<br>(there is no fee for registration) |
| February 9, 2009 | Registrations Deadline  |
| May 20, 2009     | Submission Deadline   |
| June 2009        | Prize winners chosen by the design jury.                          |
| Summer 2009      | Competition Summary Publication                                   |

## AWARDS

The design jury will meet in June 2009 to select winning projects and honorable mentions for Best Overall design Proposal and Best Multidisciplinary Proposal. Winners and their faculty sponsors will be notified of the competition results directly. A list of winning projects will be posted on the ACSA web site at [www.acsa.arch.org](http://www.acsa.arch.org).

Winning students and their faculty sponsors will receive cash prizes totaling \$7,000 with projected distribution as follows:

| First Prize     |         | Second Prize    |         | Third Prize     |       |
|-----------------|---------|-----------------|---------|-----------------|-------|
| Student         | \$2,500 | Student         | \$1,500 | Student         | \$750 |
| Faculty sponsor | \$1,000 | Faculty sponsor | \$750   | Faculty sponsor | \$500 |

A limited number of honorable mentions may also be awarded at the jury's discretion.

Competition finalists will present their concepts at the National Building Museum with travel costs covered by the competition sponsors. Prize winning submissions will be exhibited at the National Building Museum, highlighted in Architectural Record, displayed at the 2010 ACSA Annual Meeting and at the 2010 AIA National Convention, as well as published in a competition summary publication.

## ELIGIBILITY

The **GREEN COMMUNITY** Competition is open to any current student. All students are required to work under the direction of a faculty sponsor. Entries will be accepted for individual as well as team solutions. Teams must be limited to a maximum of five students.



## COMPETITION GUIDELINES

### REGISTRATION

Faculty who wish to enroll students must complete the online Registration Form (available at [www.acsa-arch.org](http://www.acsa-arch.org)) by February 9, 2009. Complete a form for each individual student or team of students participating. Students or teams wishing to enter the competition on their own must have a faculty sponsor, who should complete the form. There is no entry or submission fee required to participate in the competition. Each registered student and faculty sponsor will receive a confirmation email that will include information on how to upload your final submission.

### FACULTY RESPONSIBILITY

The administration of the competition at each institution is left to the discretion of the faculty sponsor(s) within the guidelines set forth in this document. Work on the competition should be structured over the course of one semester during the 2008-2009 academic year.

### EVALUATION CRITERIA

Each faculty sponsor is expected to develop a system to evaluate the work of the students using the criteria set forth in this program. The evaluation process should be an integral part of the design process, encouraging students to scrutinize their work in a manner similar to that of the jury. The final result of the design process will be a submission of up to four presentation boards describing the design solution. In addressing the specific issues of the design challenge, submissions must clearly demonstrate the design solution's response to the following requirements:

- Interdisciplinary teams are encouraged along with documentation on the submission entry from the multiple disciplines.
- A mature awareness and innovative approach to environmental issues;
- An articulate mastery of formal concepts and aesthetic values;
- A thorough appreciation of human needs and social responsibilities;
- A capability to integrate functional aspects of the problem; and
- A capacity to derive the maximum potential afforded by the project.

### DESIGN ESSAY

A brief essay (in English) is required as part of the Submission describing the most important concepts of the design project. Keep in mind that the presentation should graphically convey the design solution and context as much as possible, and not rely on the design essay to convey a basic understanding of the project. The names of student participants, their schools, or faculty sponsors, must not appear in the design essay.



# COMPETITION GUIDELINES

## REQUIRED DRAWINGS

Each submission must directly address the specific criteria outlined in the Program and Evaluation Criteria and must include (but are not limited to) the following required drawings: site plan showing the surrounding area/buildings, topography, and circulation patterns; elevations and sections sufficient to show site context and major program elements; large scale drawing(s), either orthographic or three dimensional, illustrating the design intent; a three dimensional representation in the form of either an axonometric, perspective, or model photographs, one of which should illustrate the character of the project.

Incomplete or undocumented entries will be disqualified. All drawings should be presented at a scale appropriate to the design solution and include a graphic scale and north arrow.

## DIGITAL PRESENTATION FORMAT

Submissions must be designed on no more than four 20" x 20" digital boards. The names of student participants, their schools, or faculty sponsors, must not appear on the boards.

All boards are required to be uploaded to the ACSA website in Portable Document Format (PDF) or Image (JPEG) Files. Participants should keep in mind that, due to the large number of entries, preliminary review does not allow for the hanging or end to end display of presentation boards. Accordingly, participants should not use text or graphics that cross over from board to board.

## ONLINE PROJECT SUBMISSION

Entries must be uploaded through the ACSA Competition website at [www.acsa-arch.org/competitions](http://www.acsa-arch.org/competitions) by 5:00 pm, Eastern Time, on May 20, 2009. If the submission is from a team of students all student team members will have the ability to upload the digital files. Once the final submit button is pressed no additional edits, uploads, or changes can be made. Once the final submission is uploaded and submitted each student will receive a email notification.

A final submission upload must contain the following:

- Completed online submission information including all team members and faculty sponsors,
- Each of the 20"x20" boards uploaded separately as a high resolution Portable Document Format (PDF) or Image (JPEG) Files,
- The design essay.

Winning projects will be required to submit original files for use in competition publications and exhibit materials.

## FOR MORE INFORMATION

Program updates, including information on jury members as they are confirmed, may be found on the ACSA web site at [www.acsa-arch.org/competitions](http://www.acsa-arch.org/competitions).

Additional questions on the competition program and submissions should be addressed to:

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