Alison E. Young

Contact

Brooks Energy and Sustainability Lab
Georgia Tech Research Institute
PO Box 35399
San Antonio, TX 78235-5399

Work: 210/534-7227
Home: 210/372-0138
FAX: 210/534-7238
alison.young@gtri.gatech.edu

Education

University of Texas (San Antonio, TX)
Masters of Science, Environmental Management, 2002-current.
Currently working towards M.S.

Emory University (Atlanta, GA)
Bachelor of Arts, Psychology/Natural and Human Ecology, 1997-2001.
Degree awarded May 2001.

Senior Thesis: Focused on the green building techniques applied to Emory University's Whitehead Research building, evaluating the benefits of green building and its impacts on costs and performance over the lifecycle of the building.

Professional Experience

Brooks Energy and Sustainability Laboratory (Georgia Tech Research Institute)
Research Associate (Research Faculty member), December 2001 – present.

Provide technology transfer services and conduct research related to sustainable building, indoor air quality, energy conservation, construction and technologies. The Brooks Energy and Sustainability Laboratory (BESL) is non-profit consortium of Texas and Georgia state agencies, with a mission to provide technology transfer-related services to public and private sector customers. As a faculty research member of Georgia Tech Research Institute I have been involved in all aspects of lab functions and research and services provided.

These activities include the development and maintenance of a "Sustainability Help Desk," and a resource and technical assistance center for members of the community who inquire about green building products and techniques. I keep ongoing contacts with manufacturers and vendors who develop cutting-edge technologies and produce new innovative products that are key to the green building market. I have built green building resource databases that include green building products and services that are available in the San Antonio and Atlanta areas. This also includes maintaining an inventory of samples of environmentally friendly products, along with technical data and pricing information. I have produced a monthly information sheet on sustainable practices, and has developed course material and participated in training for sustainable strategies, environmental planning, site assessment, and energy efficient strategies for building design and construction.

For the Department of Defense, I have been part of a team of researchers who have developed an Online Knowledge Base for Sustainable Military Facilities & Infrastructure. The Knowledge Base is a prototype online tool that generates situation-specific checklists for capital project sustainability, using easily available information supplied by the user to filter out everything but the strategies that are most likely to succeed in his or her specific situation in a facility construction or renovation project(s). The challenge this tool is designed to address is information overload. Due to downsizing and an ever-increasing number of requirements imposed, installation personnel have a lot to accomplish in a limited amount of time in their facility projects. To effectively incorporate sustainability, personnel need access to the right kind of information in the right format for the right person at the right time. The Online Knowledge Base is at http://www.sustainablefacilities.org/skb/jsp/index.html.

I have been part of the team that is developing San Antonio's Green Building program, in order to reduce the waste stream resulting from the building process and life cycle operation of homes and buildings. As part of that effort, I have done grant searching and grant writing. I am currently developing a series of checklists and other assessment tools to aid in the evaluation of measures that may cost effectively improve the sustainability of an existing building.

I have developed strategies on natural resource management for future land use planning, in support of an Army Land Use Strategy Plan, for the Army Environmental Policy Institute. Also

for the Department of Defense, I have developed an Online Knowledge Base for Sustainable Military Facilities & Infrastructure.

The areas of expertise that I have are research in technologies, metrics, and processes for sustainable buildings, construction, materials, sustainability implementation, innovation, planning, and organizational change.

Georgia Tech Research Institute (Atlanta, GA)
Intern, May, 2001- December 2001.
Full-time intern doing research on sustainable building and construction projects.

Preston and Associates Architecture Firm (Atlanta, GA)
Intern, February 2001 – April 2001.
Worked on the Peavine Watershed Project

Pitney Bowes
Customer Service Representative, March 2000-March 2001.
Maintained 23 copiers and the copy service center at the Emory University library

Professional Registration

US Green Buildings Council
Accredited LEED™ Professional: Certified expert in implementing the LEED™ Rating System to evaluate and recognize sustainable buildings, 2002.

Publications

Sustainable Building "Tech Tips": Publisher of this monthly newsletter

Service

Build San Antonio Green
Member of professionals committee to develop citywide green building program to evaluate and recognize sustainable buildings, 2001 – current.

Southface Energy Institute
Volunteer for the Green Building Conference in Atlanta, Greenprints, 2001.
Member of Southface Energy Institute Roundtable meetings – a group of the Atlanta community get together to discuss ways to improve homes, buildings, and urban planning with sustainable building ideas.

National Association of Environmental Professionals (NAEP)
Vice President of the local San Antonio Chapter.

US Green Buildings Council
Member of national organization, and local Balcones chapter (serving Austin and San Antonio areas).

Society of American Military Engineers
Member.

San Antonio Sustainable Building Coalition
Member.

San Antonio Women Energy Associates
Founding member.

Texas Parks & Wildlife
Volunteer for park development and conservation.