Up with the GREEN & GOLD

GT Green Alliance Formation Meeting

The GT Green Alliance meeting was the formation of an inclusive network of Georgia Tech's sustainability-related organizations that would work together to bring about a bigger, greener impact on campus. The meeting introduced the concept of an Alliance, whose purpose would be to facilitate inter-organization communication and collaboration. By sharing resources and contacts, hosting joint events, and helping each other advertise, the GT Green Alliance would function as one, cross-functional green body.

TECH GREEN AWARDS

The Georgia Tech Earth Day Committee seeks nominations for two environmental stewardship awards. Applications will be accepted through **March 17.** Winners will be announced on **April 19** during the Earth Day celebration. For more info: **http://www.gatech.edu/greenbuzz/hg/item/194531**

GT AWARDED TREE CAMPUS USA 2012

Mr. Hyacinth Ide, Associate Director, Landscape Services & Motor Pool, Georgia Tech. He has been Facilities Landscape Manager since 1999. Tyler Folse interviewed him about GT's receipt of its 5th consecutive Tree Campus USA award.

TREE CAMPUS USA™

1. What does the Tree Campus USA award signify?

Hyacinth: It signifies the commitment of GT toward environmental stewardship by developing tomorrow's leaders (students). Creating a beautiful campus provides a recruiting and retention tool for students, faculty and staff. Earning the recognition for five consecutive years demonstrates Tech's leadership in sustainability compared to other institutions.

2. How many universities are recipients?

Hyacinth: In 2012, there were 152 colleges and universities recognized nationwide and 8 in the state of Georgia.

3. What has been done at Georgia Tech to achieve this award for five consecutive years and what are some of the projects that Tree Campus USA is currently leading/involved in?

Hyacinth: Each year, GT has to meet the five core requirements to be recognized. The core standards for sustainable campus forestry are:

1) Establishment of a Tree Advisory Committee
2) Provide a campus Tree-Care Plan
3) Have dedicated annual expenditures for its campus tree program
4) An Arbor Day observance
5) The sponsorship of student service learning project such as Tech Beautification Day (TBD) and tree planting projects.

GT had just completed a GIS Tree Inventory showing that there are 11,046 trees on campus. Our next objectives are to implement the results from the GIS Tree Inventory:

1) Employing the service of an arborist to ascertain the treatment of all the identified trees noted as priority 1 (dangerous) trees on campus for removal, pruning & fertilizer applications
2) Developing procedures for implementing the just completed GIS Tree Inventory so that it would be easily updated
3) Staffing the recommended position (Tree Surgeons) to support the inventory updating process.

4. How can Georgia Tech students get more involved with Tree Campus USA?

Hyacinth: Students can become members of the GT Tree Campus USA Advisory Committee. They can also participate in Tech Beautification Day and tree planting projects on campus.

5. What is your vision for the future of Tree Campus USA at Georgia Tech?

Hyacinth: To expose more than 1000 students to environmental stewardship projects annually. To use the GIS Tree Inventory in planning tree maintenance program to include regular pruning, removal, and planting. To keep the GIS Tree Inventory updated at regular set intervals

STUDENT PRGM, CNES DISTINCTION

the GREEN program

The GREEN program is now accepting applications for their spring break and summer programs. It is a multi-disciplinary program that provides students exclusive access into five different renewable energy facilities in Costa Rica. This program provides a balance of interactive online models, group discussions, and numerous opportunities for internships and jobs in their Alumni Network.

Website: www.thegreenprogram.com

Contact: Ernesto Daset: ernesto@thegreenprogram.com

CNES Building Achieves LEED Platinum Certification

Georgia Tech's Carbon Neutral Energy Solutions Laboratory (CNES) has achieved LEED Platinum, exceeding the Gold Certification goal targeted by all new building construction on Georgia Tech's campus. The CNES Laboratory develops technologies to reduce the earth's carbon footprint. It seeks to achieve "net-zero site energy use" (zero net energy consumption and zero carbon emissions annually). It uses several energy-saving designs including a full photovoltaic array that can harvest energy on site and achieve carbon neutrality without purchasing carbon offset credits. The CNES has achieved numerous design and green building awards, including the 2012 NIBS Sustainable Building Industry Council's High Performance Building Award of Merit.

Website: http://www.thegilbaneedge.com/georgia-tech-cnes-laboratory-achieves-leed-platinum-certification/

Contact: Howard Wertheimer: howard.wertheimer@spaceplan.gatech.edu

First LEED Platinum Building on Georgia Tech's Campus

The CNES has a Full Photovoltaic Solar Array

STUDENT SUSTAINABILITY PROJECTS

Urban Transportation Information Lab

A group of senior students from the College of Computing devised a recycling app customized for Georgia Tech. This app aims to increase the overall awareness about recycling by challenging and assisting students in locating recycling bins around the campus. Each time a user finds a bin and "tags" it via the app, he will gain points.

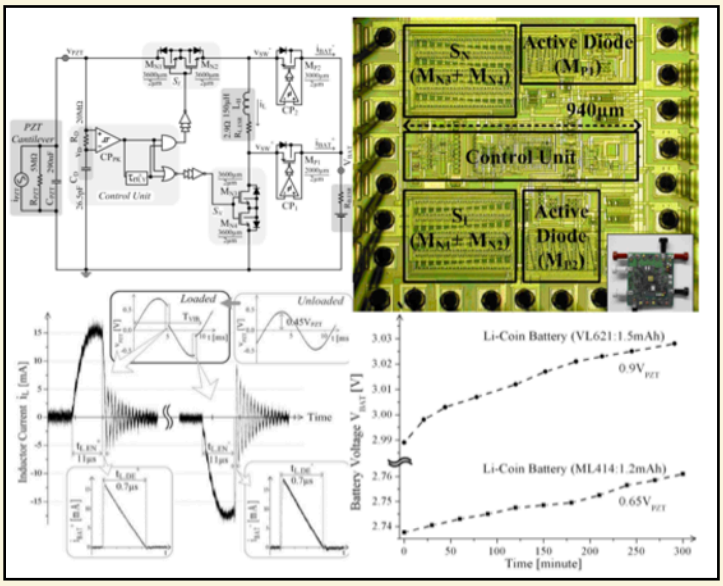
Website: http://tlw-proxy.gatech.edu/greenbuzz/news/computing-students-develop-bin-there-recycling-app
Contact: Cindy Jackson, Office of Solid Waste Management and Recycling: cindy.jackson@facilities.gatech.edu

Harvesting Ambient Energy to Power Self-Sustaining Microchips

Wireless microsensors add performance-enhancing and energy-saving intelligence to factories, homes, and the human body. Small batteries, however, do not last long, and periodically replacing or recharging them is prohibitive. Luckily, harvesting energy from light, temperature, motion, and radiation extends operational life, which is why GTAPE's mission is to build microchips that draw ambient energy to power microchips.

Website: www.rincon-mora.com/research

Contact: Kowshik Murali: kmurali8@gatech.edu



Interested in helping or joining our mailing list? Contact:
Mary Shoemaker
mshoemaker8@gatech.edu

Check out the February edition of **Recycling Buzz!**

earthday2013
TECH for a Greener Future

Earth Day 2013 Registration

Booth registration is now open for organizations and companies; participants should fill out a **booth request form** if interested! The event will take place on **Friday, April 19, from 10 AM - 3 PM.**

Contact Heart Lawson:
heartense.hodges@facilities.gatech.edu