



# SUSTAINABLE E-WASTE Design Competition



## PROJECT ABSTRACTS

### Technical/Geek Category

**Team Number:** 9

**Category:** Technical / Geek

**Project Title:** Centuria

**Team Members:** Brian Weick, Drew Henkels, and Joseph Moormann

#### Project Description:

The project in essence is to take any given number of old computers, fix them up to working condition, and connect them in a setup called a "cluster"--which basically means the computers distribute certain programs amongst themselves, functioning as one large "supercomputer." This orientation is excellent for calculating prime numbers, rendering gargantuan video files, 3D modeling, and things of similar sizes.

Along with this, we have a conceptual design that addresses ways to drastically improve current cluster setups. While the functioning cluster will be connected via ethernet cables, our concept will utilize motherboard card ports—which are hundreds of thousands of times faster than ethernet ports—to communicate among the computers. Our hope is that by doing this, one can not only distribute specialized tasks as in a standard cluster, but literally combine two separate computers into one faster one, on nearly all levels of its functionality.

We'll also try to throw some other interesting ideas in with those if everything else works out. Thank you for your time.

Project Abstracts

#### Artist / Designer

- +QWERTY
- +Tourist Kiosk
- +Weave Lamp
- +WHENCE
- +Penta-Chair
- +Project E3
- +Campus Internet Kiosk
- +Seedling keys
- +Affordable Developing Country Server/ Workstation Network
- +Community Projector
- +Digital Address Book for the Baby Boomer Generation
- +E-waste

Collecting Station

+Mobile Phone  
Digital Lock

### Technical / Geek

+EcoModule: a fungible,  
eco-friendly learning  
experience

+The E-Wave

+Centuria

+E-Waste  
Hydroponics Farm

+e-Waste Kool Kiosk

+Control Your Energy

+CompuTable

+Recycling Kiosk



SCHOOL OF ART AND DESIGN // 143 Art and Design Building // 408 E. Peabody Drive // Champaign, IL 61820  
CONTACT US // Phone: 217-333-0855 // Fax: 217-244-7688