NICOLAS COLLINS :: HARDWARE HACKING WORKSHOPS

CALL FOR PARTICIPATION LIMITED PLACES AVAILABLE (REGISTRATIONS CLOSE 1pm, Friday June 11)


Nicolas will be conducting two electronics and hardware hacking workshops. These workshops have been performed all around the globe and are very popular, especially as they don't require any background knowledge - most participants with a basic technology background will be able to build sound and visual instruments and processors by the end of the second day. If you have an interest in electronics and DIY for music or art then these workshops be invaluable.

Electronics and Hardware Hacking – 2 day Workshop - $150

Day One - Basic
Prerequisite knowledge: None
Topics: Speaker Hacking, Radio Cracklebox, Amp Building, Binaural Mics, Eavesdropping & Listening Device, Circuit Bending and Hacking Toys, Visual Hacking: LEDs and Monitors
Saturday, June 12
9.00am - 5.00pm (with a lunch break)
University of Adelaide, Schulz Building, Level 10, 10.04 / 10.03

Day Two - Advanced
Prerequisite knowledge: Electronics and Hardware Hacking (Basic)
Topics: Oscillator Building, Light Theremin, Preamps and Distortion, Pitch Trackers and Voltage Controlled Oscillators, Mixers, Advanced Circuit Soldering
Sunday, June 13
10.00am - 7.00pm (with a lunch break) (6.00pm - 7.00pm workshop concert)
University of Adelaide, Schulz Building, Level 10, 10.04 / 10.03

On the next page is a list of items participants will be required bring to the workshop
Most of the required parts and equipment will be provided, with participants able to take home the final soldered device they build.
Many items can be found around the home (radio / old sound producing toys, tape player, speakers, tools, corroded metal), secondhand stores (toys, radios, tape players), cheap shops (9v batteries) and Dick Smith (soldering iron)
Nicolas Collins will performing a concert on the Saturday night (June 12) at the RiAUS (http://www.riaus.org.au/events/2010/06/12/works_of_slightly_misused_technology.jsp) - he requires about 5 workshop participants for the performance of Salvage (http://www.nicolascollins.com/salvage.htm) - please let me know if you are interested.
Sorry, there are no discounts on the registration fee for students / unemployed etc
If you can't attend both days and still want to participate please send me an email.

Registrations close 1pm, Friday June 11.

Applicants will be notified if they are successful on the day after the closing date

Please send registrations or enquiries to: Christian Haines - christian.haines@adelaide.edu.au - 8303 3799
Participants should bring the following supplies:

• A portable, battery-powered radio or boombox, with appropriate batteries. Make sure it works! It should be cheap enough that you won’t be too angry if it never works again. The AM band is more important than FM, but it doesn’t matter if the radio picks up both. It should have analog tuning (i.e., a dial) rather than digital presets or scan buttons. Larger radios are easier to work with than tiny ones, and older ones always sound better than new ones. It should have a built-in speaker, not just a headphone jack. And most importantly: **IT MUST BE BATTERY POWERED!** Beware: an alarm clock radio with a built-in “backup battery” is not suitable, since it requires AC power to function as a radio.

• **Two** or more battery powered, sound-producing toys, with appropriate batteries. As with the radio, select a toy that is expendable, not too tiny, and has a built-in speaker. A toy that makes sound is preferable to a mute one, and sampled sounds (like voices, animal sounds or instruments) are more useful than simple beeps. The more buttons and switches the better, generally speaking, although musical keyboards often have limited potential for interesting modification. **Toys manufactured in the last 5 years are un-hackable – please try to find older, used toys.** And, of course: **THEY MUST BE BATTERY POWERED!**

• One or more raw loudspeakers of any size (just the speaker, not enclosed in a cabinet/box).

• Three nine-volt batteries.

• A small piece of corroded or rough-surfaced scrap metal.

• A soldering iron (lightweight, fine point).

• Hand tools (diagonal cutters, wire strippers, a knife, etc.).

Optional: an expendable cassette player of some sort (Walkman, boombox, etc.)