

HiperOído (Parte I)

Workshop by Christian Galarreta

Hiper (spanish language) - prefix that means above, over, or in excess.

Oído (spanish language) - the sense of hearing. Also the organ of hearing.

- TXT: The workshop is based in my essay "**HiperOído , Invisible Sonic Debris and Continuity**". To download here:

http://sajjra.net/chrs/?page_id=668

- Listening some examples of field sensings and recordings .
- Building home-made transducers: a strong contact mic , an electromagnetic sensor and a hydrophone.
- Indoor and outdoor tours: field sensings and recordings of electromagnetic fields, of subacuatic and atmospheric sounds, of spaces that function as sound filters and of spaces listened across the elements that compose them.
- Find a place where we can listen the electromagnetic, subacuatic and atmospheric ambits in simultaneously. If we find a place to make it possible.

General Technical Requirements

- PA stereo with subwoofer, headphones and stereo audio mixer.
- Internet connection.
- Plasma or multimedia projector.

Material to build one Electromagnetic sensor (I need at less these materials to make one sensor. The organizers should coordinate with the participants to buy the materials)

- 2 connectors plug mono 6 mm.
- 3 mts of audio mono wire.
- 200 mts of copper wire "winding wire" (Ø0.2mm - 97 ohm or similar).
- 1 Inductor THT radial RF 10mH. Like [this one](#)
- Standard tool kit to work with electronic circuits (cautin, adhesive tape, etc).
- Portable recorder (I can provide for the workshop).
- Computer with standard sound card + software "Audacity". (I can provide my laptop and the participants can take their own laptops)
- One plastic bottle and a knife to cut it (see the pictures attached)

Materials to build one strong contact mic and one hydrophone (I need at less these materials to make one sensor. The organizers should coordinate with the participants to buy the materials)

- 3 connectors plug mono 6 mm.
- 12 mts of audio mono wire.
- 3 Piezo Electric disks
- For strong contact mic and soft hydrophone: A bucket (125 ml) of Plasti Dip normal o Plastic Dip Isolated (Plastic Rubber) <http://www.plastidip.fr/plasti-dip-noir-en-bidon-214ml,fr,4,PLJR18Z066.cfm>

* After the first session I will suggest some recycled objects, in order to make experiments or use like molds