

## 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](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" ( $\emptyset$ 0.2mm - 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