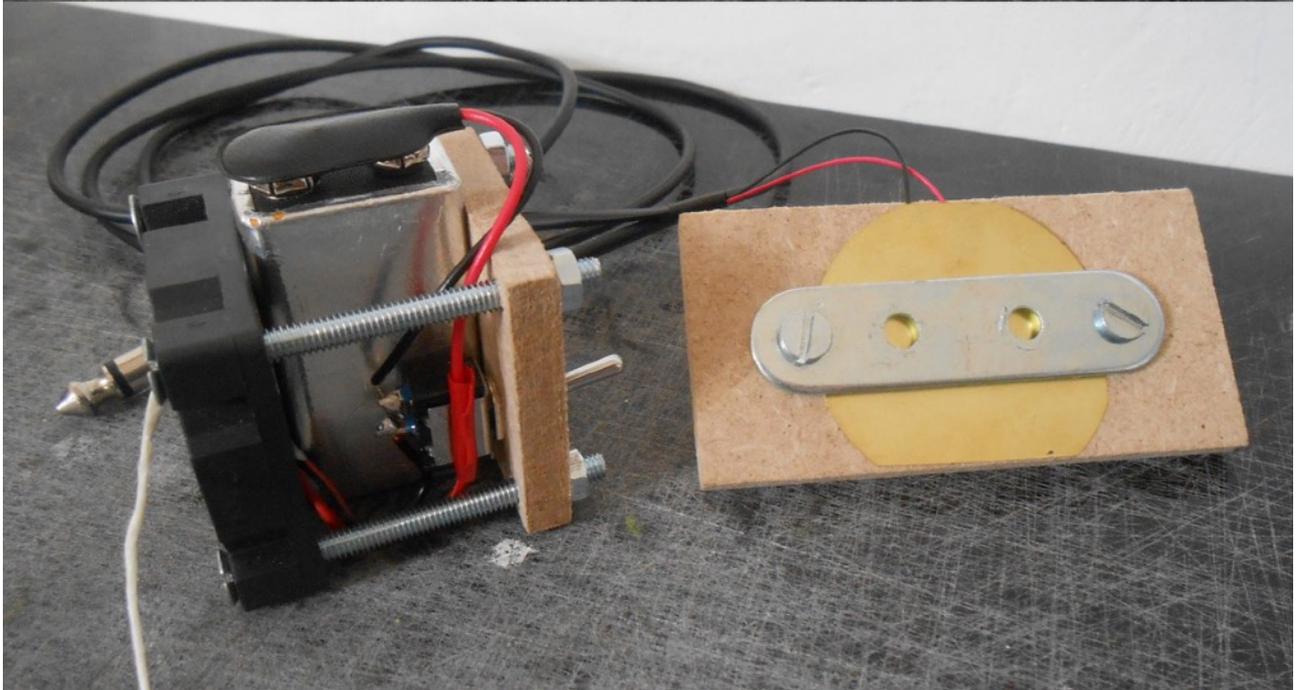
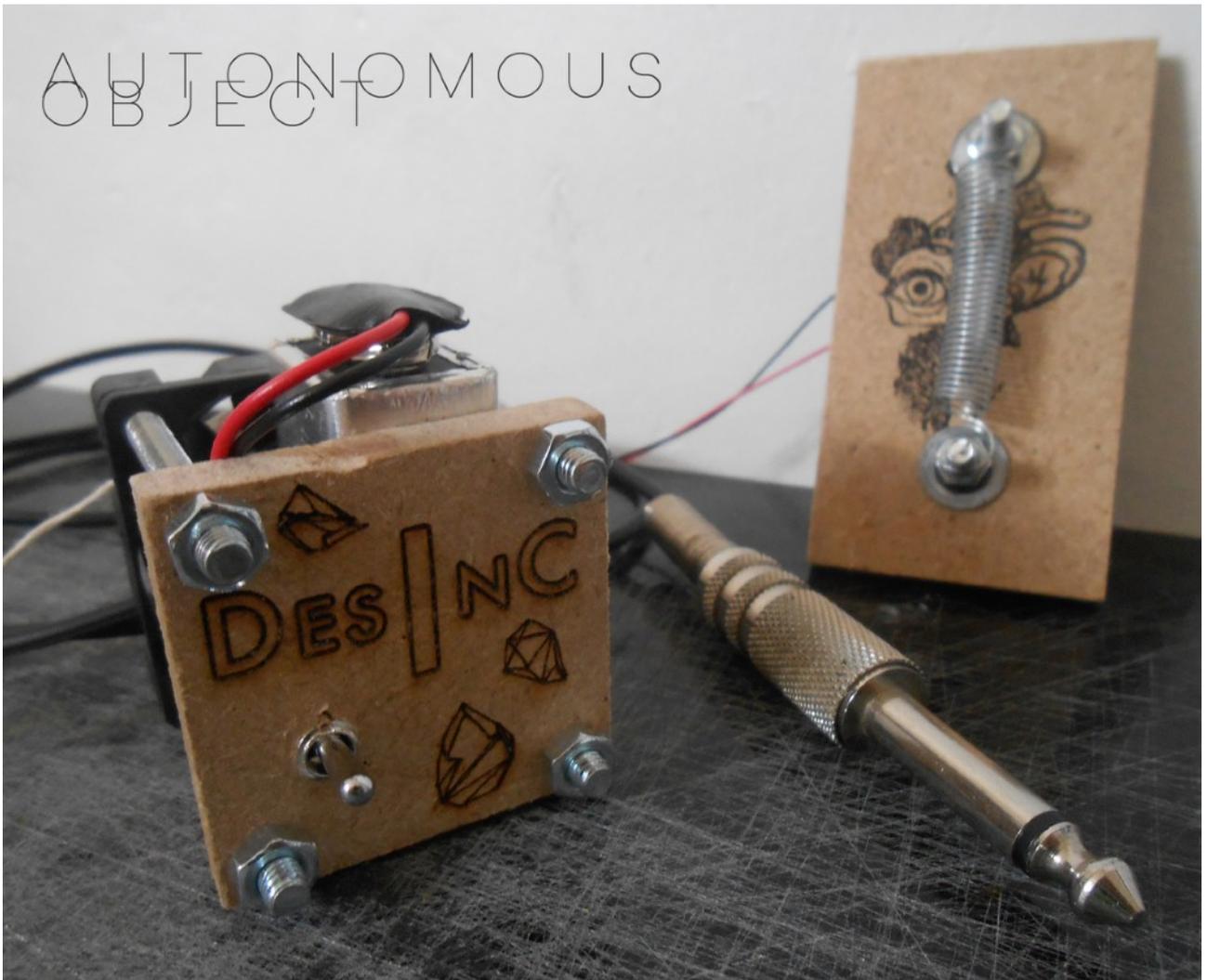


# AUTONOMOUS OBJECT



"Autonomous Object" is a standalone rotative accessory.

It consists of a fan on which is fixed a string. The motor rotates the string that waves. The wave becomes percussive on contact with other strings, drums and other resonant bodies.

Description workshop :

The aim of the workshop "Autonomous Object" is to build a small instrument into two parts connected by a kitchen string. Each of the two elements can be held in one hand. The first element consists of a fan, a switch and a 9v battery. The second part consists of a piezoelectric contact- microphone and a spring fixed on a board. The string create the link between the two elements, like a bridge between two towers, attached to both a fan blade and the spring at its end. Ignition of the fan drives the string in a wide rotation and engages vibrations on the spring. Obtaining sound is by direct contact and pressure with the spring support that produces a voltage which reflects the acoustic waves into an electrical signal.

A basic shape is suggested to participants, it's up to everyone to turn and see for yourself another design according to the constraint of the materials we have, but everything is still possible!

The challenge is to show simple acoustic principles and give ideas to create new interfaces to play daily objects, percussions, string-instruments.

Tech spec and requirements :

wood, mdf  
various screws  
fans (from computers), 9v batteries  
contact-mics, audio cable, male mono jack 6.35 mm

Tools as drill, cutting pliers, screw drivers, soldering iron  
sound system or PA with mixing desk (to be able to test the microphones and possible performance at the end of the workshop)

Participants :

From 10 years old...

Musicians (strings player and percussionist) will find a particular interest in this workshop which is relevant for both beginners and experienced do-it-yourselfers.

Skills :

it requires basic knowledge of electricity  
handling of specific tools (soldering iron, drill, winding machine)  
finalization capacity,  
meticulousness,

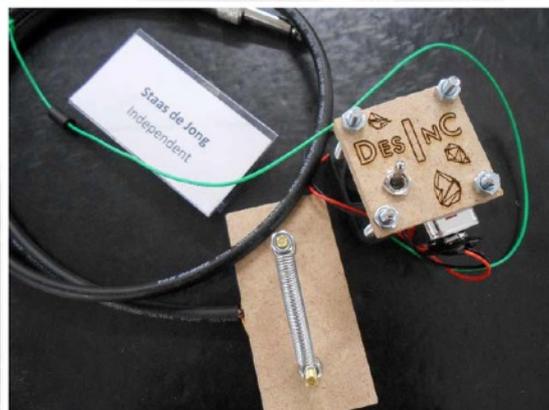
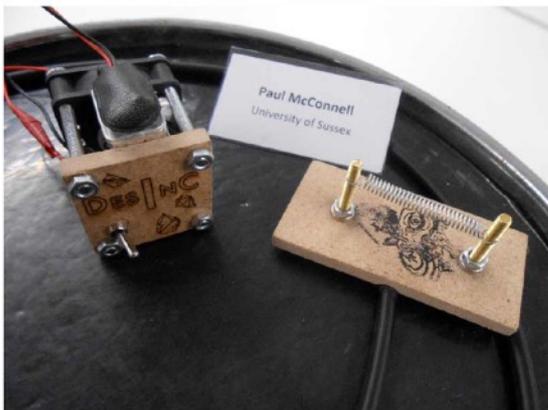
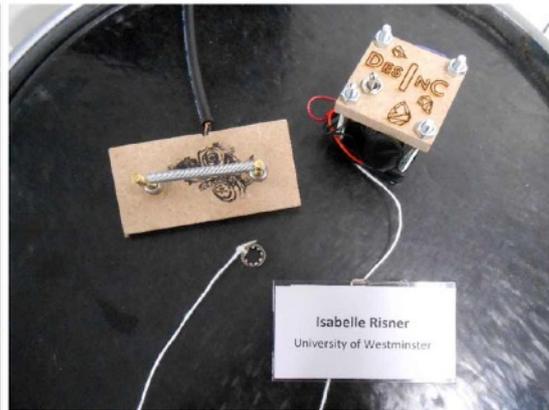
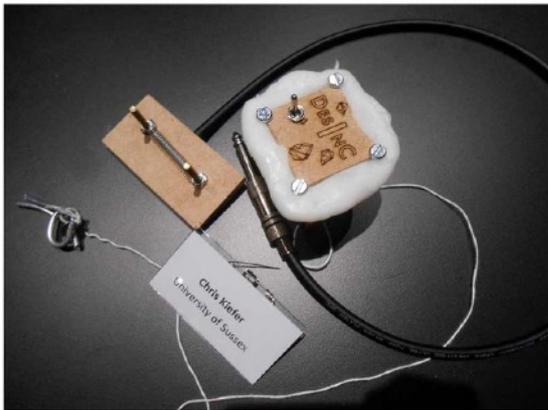
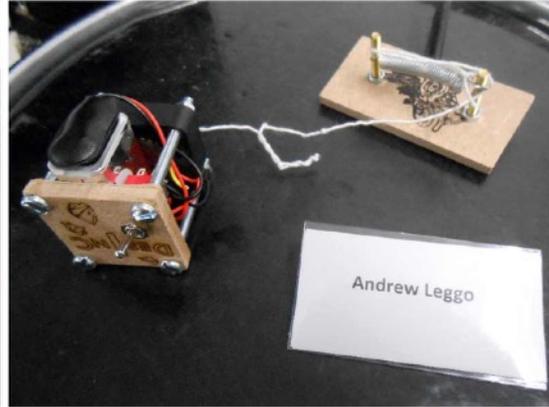
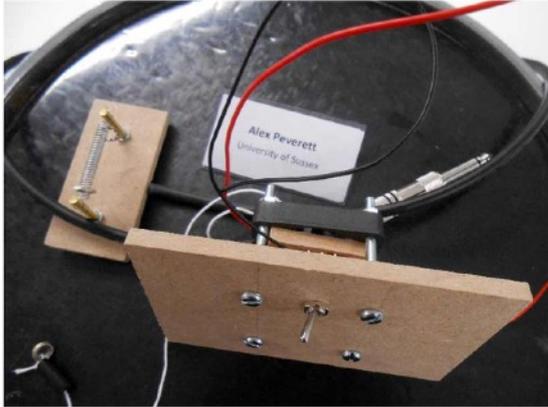
Past workshops, experiences :

2016 : Brighton, Sussex university, uk

2017 : installation "Poly-drum", Orléans, fr

2017 : Lutherie Urbaine, Paris, fr

Workshop “Autonomous Objects” at Sussex University, Brighton, uk (November 2016)



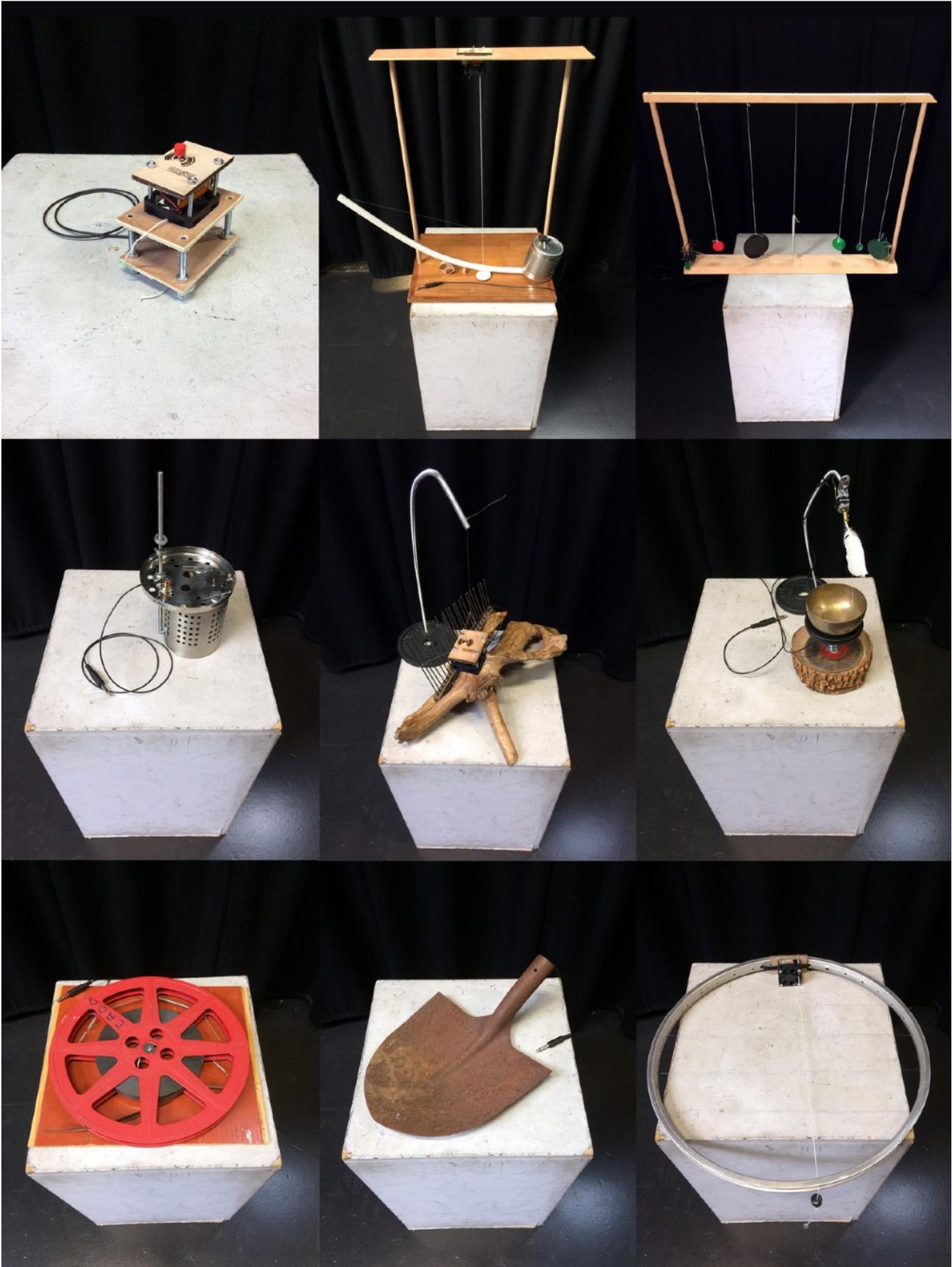
AUDIO : <https://middleeightrecordings.bandcamp.com/track/autonomous-object-desinc-collective-performance>

## Installation “Poly-Drum” at Polysonik, Orléans, France (March 2017)



AUDIO : <https://middleeightrecordings.bandcamp.com/track/poly-drum-part1-by-anton-mobin>  
<https://middleeightrecordings.bandcamp.com/track/poly-drum-part2-by-anton-mobin>  
<https://middleeightrecordings.bandcamp.com/track/poly-drum-part3-by-anton-mobin>

Workshop “Autonomous Objects” at Lutherie Urbaine, Paris, France (August 2017)



AUDIO : <https://middleeightrecordings.bandcamp.com/track/autonomous-object-hugo-scurto-portique-plastique>

<http://antonmobin.blogspot.fr>  
<http://vimeo.com/antonmobin>  
<http://soundcloud.com/anton-mobin>  
<https://middleeightrecordings.bandcamp.com/>  
<http://aporee.org/maps/projects/antonmobin>  
<http://h.a.k.free.fr>

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