



Garbage design at FA, ČVUT

Henri Achten

Kateřina Nováková

Faculty of Architecture

Cabinet of Architectural Modelling

Czech Technical University in Prague



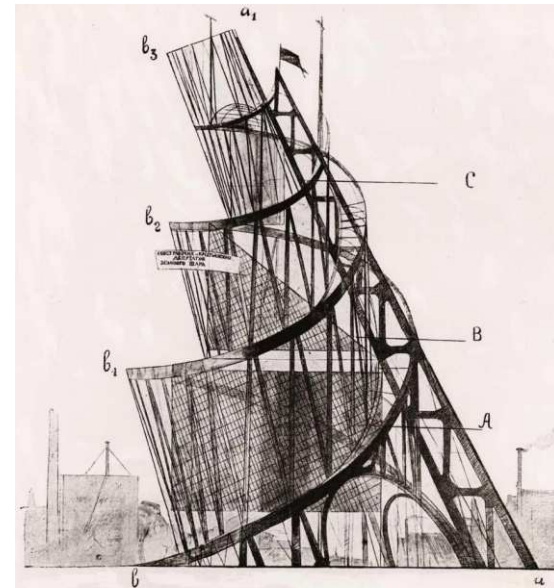
Garbage design

Experimental design studio

- 2008-2009 up to 2009-2010 (4 semesters).
- Design something using garbage.
- Analyse material qualities.
- Analyse design task.
- Build real object using garbage.
- Present work to investor.

Garbage design

How to get garbage?



From TATlin to PETlin

Garbage design

How to get garbage?



Garbage furniture

Material research/workshop



Garbage furniture

Material research/workshop



Garbage furniture

Material research/workshop





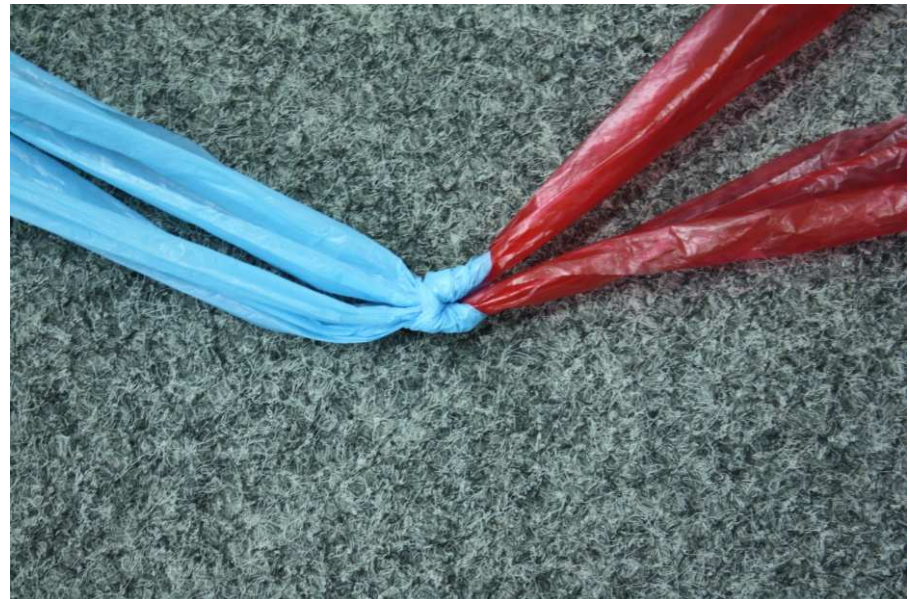
Garbage furniture

Material research/workshop



Garbage furniture

Material research/workshop



Garbage furniture

Products



Idea

Use one the most common material which surrender us : the paper.
The aim idea is to create an object that is born from the trash and can return to the trash after a cycle life.



Garbage furniture

What do you need ?



Light bulb



Electric cable



Used cardboard



Plastic film



Glue



Used paper

Following design studios

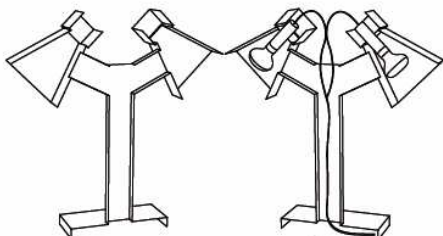
How to make it ?

Each lamp is created from used paper, blended with water and glue, poured over a mold, and smoothed by hand to form a section.

Stage 1 : Fabrication of the mold in cardboard. Stage 2 : Covering of the mold by some plastic film. Stage 3 : Fill the mold by some paper stripes blended with glue. Stage 4 : Release of the half paper lamp.



X2



Stage 5 : After Fabrication of the two part of the lamp, you have to put the light bulb in the reserved space, fix with a cardboard support.



Stage 6 : Glue the two different part, or fix it with a stapler.



I. OBJECTIVE

FIXTURE
FOR
LIGHT
AND/OR
GREENERY



Light and greenery are additions to a room, that are almost universally liked. Therefore, I decided to design objects that can serve spaces with these two things.

II. MATTER/PROCESS

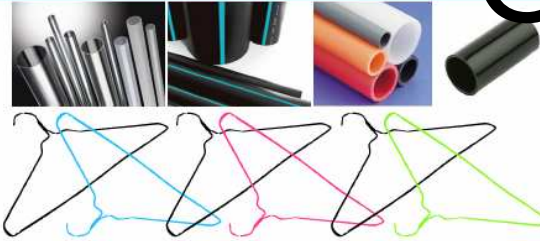
REPURPOSE!
NOT
RECYCLE



Recycling in the traditional sense is to process used material into new materials and products.

This usually results in a material of **worse quality** than the original and the process is **very energy consuming**.

Therefore:
Find waste or residual materials that are beautiful in their own right and **recontextualize** them.



Garbage furniture

Following design studios

III. CODE OF CONDUCT

Keep it simple

Because it must look good without using high-end manufacturing techniques.

Let the materials be themselves

To keep manufacturing simple and resource use low, the materials will not be processed.

Complex not complicated

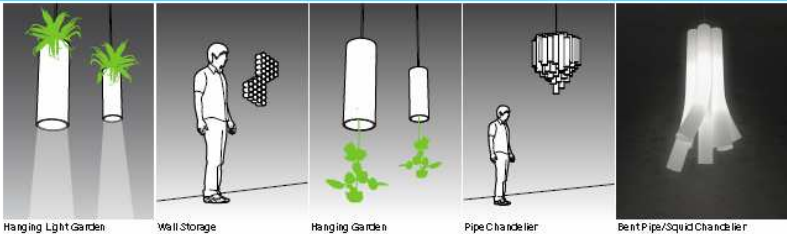
While keeping materials and manufacturing simple, explore multiplicity to create interesting forms.

IV. SKETCH 1

PLASTIC PIPES

Pipes are available in numerous dimensions and colors, and in plastics ranging from the common PVC to the less ubiquitous PE and PP. Unfortunately it proved hard to find good looking pipes without doing special orders for them, and thus defeating the studio purpose.

Therefore:
Keep looking, keep thinking!



V. SKETCH 2

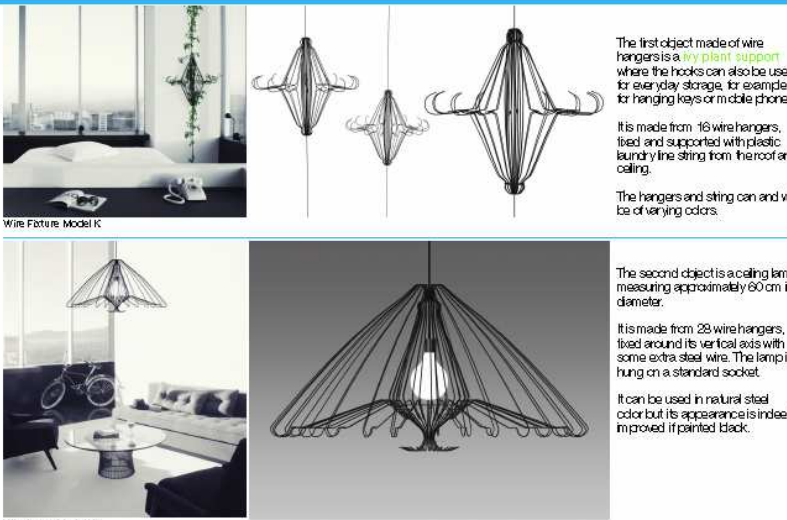
WIRE HANGERS

Steel wire hangers are commonly used by dry cleaning facilities and clothes stores as a one-time use commodity.

After finding several of them lying around in my apartment, not likely to be used for hanging clothes on again, I began looking for a way to use them in multiplicity to achieve a new form.

By rotating several hangers around a common point on each one, a three-dimensional "lathe" type shape is achieved. Depending on where this axis of rotation is positioned, various more or less useful and/or beautiful objects emerge.

I settled on two objects: a support for my and a ceiling lamp.



The first object made of wire hangers is a **wire plant support** where the hooks can also be used for everyday storage, for example for hanging keys or mobile phones.

It is made from 16 wire hangers, fixed and supported with plastic laundry line string from the roof and ceiling.

The hangers and string can and will be of varying colors.

The second object is a ceiling lamp measuring approximately 60 cm in diameter.

It is made from 28 wire hangers, fixed around its vertical axis with some extra steel wire. The lamp is hung on a standard socket.

It can be used in natural steel color but its appearance is indeed improved if painted black.

EXPERIMENTAL DESIGN STUDIO // DAVID LINDEORANTZ // CVUT SUMMER 2010

Garbage design| at FA ČVUT



CONCEPT / PROCESS



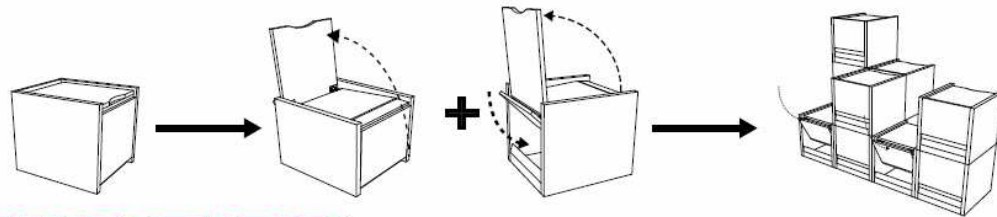
TO GET A GOOD RESULT, WE NEED TO BE ABLE TO FIND A WAY TO COMBINE THE THREE ELEMENTS IN A WAY THAT THEY CAN BE USED TOGETHER.

TO MAKE THE OBJECT FUNCTIONAL, WE NEED TO FIND A WAY TO COMBINE THE THREE ELEMENTS IN A WAY THAT THEY CAN BE USED TOGETHER.

TO GET THE BEST RESULT, WE NEED TO FIND A WAY TO COMBINE THE THREE ELEMENTS IN A WAY THAT THEY CAN BE USED TOGETHER.

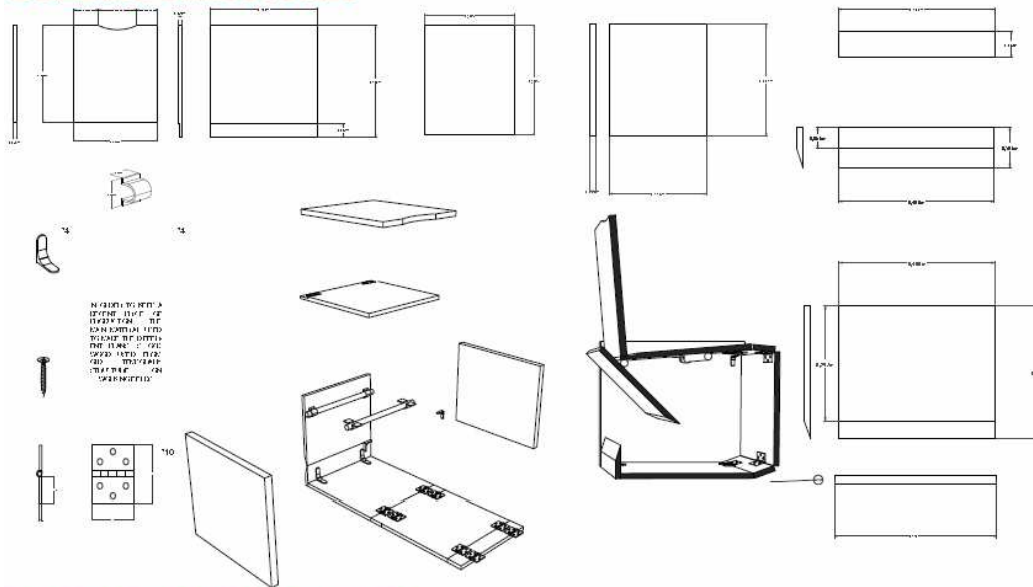
THE END RESULT IS A CHAIR THAT CAN BE USED IN A WAY THAT IT CAN BE USED TOGETHER WITH THE OTHER ELEMENTS.

Garbage furniture



Following design studios

BUILDING STRUCTURES



PRODUCT'S VISUALIZATION



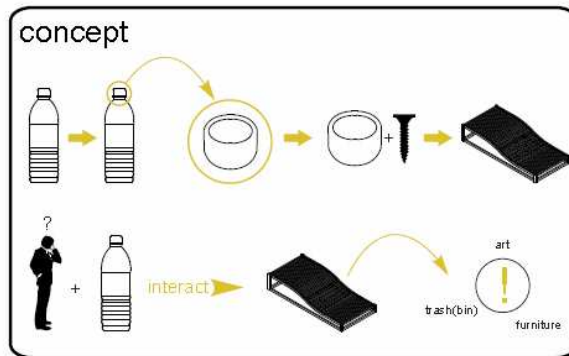
CUBIC CHAIR EXPERIMENTAL STUDIO PROJECT MAXIME PAUZON

Garbage design| at FA ČVUT

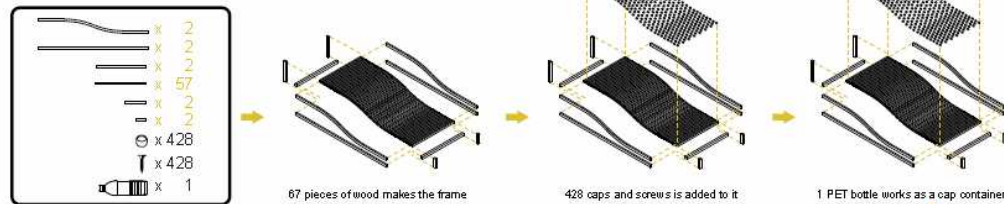


ART+FURNITURE+TRASH=TRUE

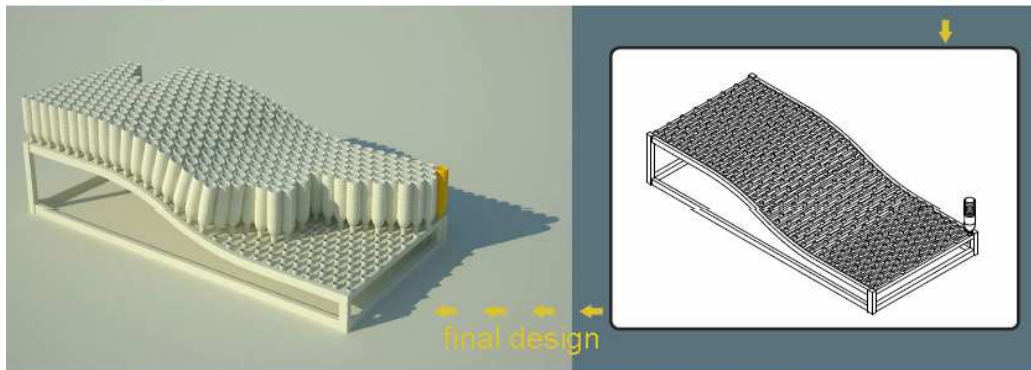
intro



method



design



examples



Garbage furniture

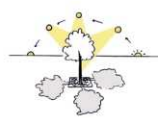
Following design studios



GETTING STARTED...



INTERNET RESEARCH - EXAMPLES OF BENCHES AROUND TREES



FACT: DURING DAYTIME SUN MOVES. DUE TO THIS FACT THE SHADE OF THE TREES IN A DIFFERENT PLACE EACH MOMENT OF THE DAY.

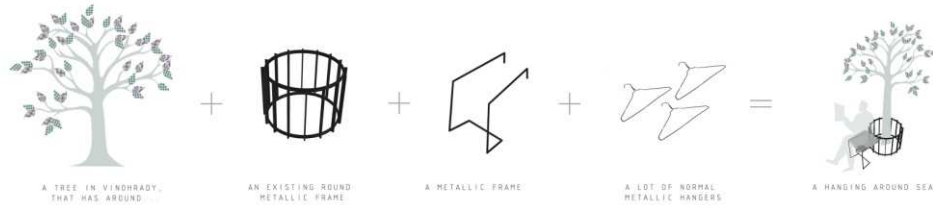
Garbage furniture

Following design studios

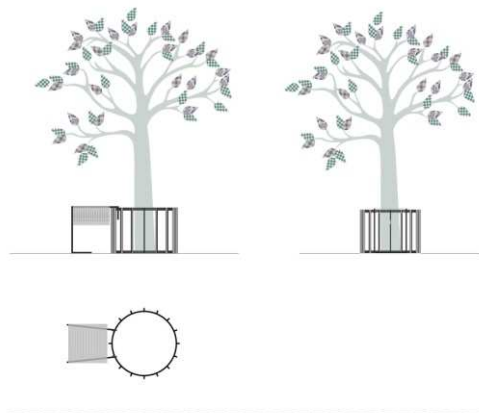


THE START POINT

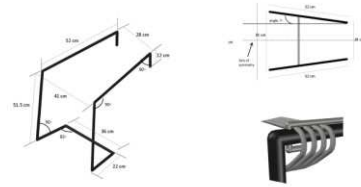
WHAT DO YOU NEED TO MAKE A HANGING AROUND SEAT



DRAWINGS



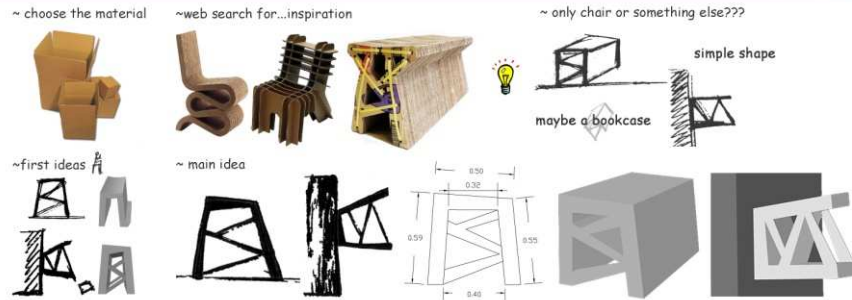
CONSTRUCTION DETAILS



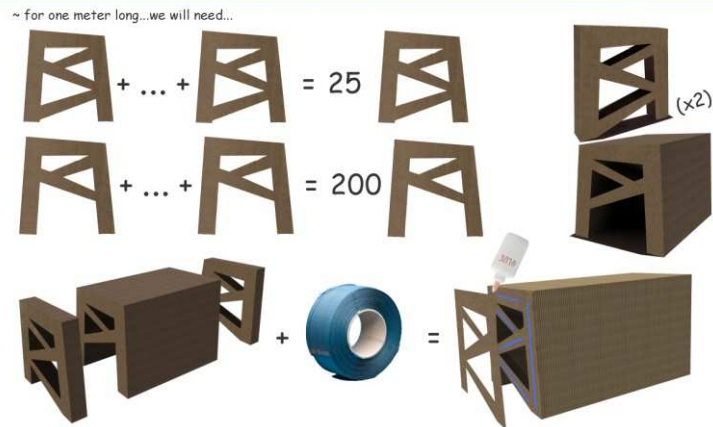
STUDENT: ELIANA TSOUKIA
PROFESSORS: ACHTEN, NOVAKOVA

cardboard chair...

idea...



details...



result...



student: tokmakidou eleni

Garbage furniture

Following design studios

BOX & CHAIR

Garbage furniture

Following design studios



2x PET-Bottles



Nylon



Zipper



Needle



CHAIR



BOX



BOX & CHAIR