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| Universidade do Estado do Rio de Janeiro  Centro de Tecnologia e Ciências Sociais  Escola Superior de Desenho Industrial | *Discipline:* Interaction Design  *Teacher:* Fernando Reiszel Pereira; Bo Peterson  *Student:* Bruno Moreira Lima  *Period:* 2014-2 |

**Report about the Arduino workshop**

**taught by Mr. Bo Peterson**

In the period from january 05 to 23, of 2015, a workshop on Arduino technology took place at Escola Superior de Desenho Industrial, from Universidade do Estado do Rio Janeiro, taught by Mr. Bo Peterson – a Swedish PhD in the course matter, from Malmö University – to the Design postgraduate students of the brazilian institution.

The general evaluation of the course is that it was very beneficial for me, considering the content, which is of big utility for every contemporary designer, as well as the form of its conduction, brightly executed by Mr. Bo Peterson.

In what concern to the content, the course started from the very basic Arduino programming and eletronical setup, giving to the students a general view of the science behind the electronical devices of every day use, ending in an advanced practical use of the technology, adaptable to many product design projects.

Throughout the workshop, the content used to be initially presented in a web site, a day or two prior to every classroom meeting, in a very well explained theory, full of clear practical examples. The teaching was then completed with the corresponding lecture, in which the teacher used to grant us his depth knowledge and sympathy. In the classes, we also had the opportunity to practice with all the equipment necessary to develop the Arduino projects that were then proposed.

Thus, we learned about installing the program and the physical Arduino device; sensors and actuators; how to control Arduino from the internet and with bluetooth technology; the use of servo motors and a lot of other scientific concepts and technical uses related to Arduino, like controlling light, sound and motor movement outputs.

Therefore, as a introductory workshop, the course gave us a balanced amount of knowledge and habilities to begin the exploration in the fantastic possibilities of Arduino. It was a great experience and I hope Mr. Bo Peterson can join us again someday to teach the more advanced creation into projects as nice as the ones we developed in this opportunity!