

Report from ROCA Workshop: BUILD YOUR OWN ROBOT

Arduino workshop with Illutron at InterMedia Lab

The Practice-based Research group at IKK and the Robot Culture and Aesthetics group worked together with the IT University in inviting *Illutron*, a collaborative interactive art studio, to conduct a one-day workshop on how to build a robot from arduino and motor components. The workshop was organized and executed by Dzl (Nikolaj Møbius), technical inventor at *Illutron*, with assistance by Ole Kristensen, coordinator at Intermedia Lab.

The workshop took place at InterMedia Lab at IT Universitet, Rued Langgaards Vej 7, 2300 Copenhagen S (ground floor)

The workshop was sponsored by the Practice-based Research Group at Department of Arts and Cultural Studies (University of Copenhagen), along with IT University, who provided coffee, croissants, and fruit for the breaks. In addition, participants paid 450 kr on their own for materials (arduino board, motor, various pieces of cut-out wood, etc.), which they could bring home afterwards.

Most participants brought their own computer and has installed the latest versions of Arduino and Processing before the workshops according to the instructions on these pages:
<http://arduino.cc/en/Main/Software> and <https://processing.org/download/>

PROGRAM

9:00 - 10:00 Introduction, context, expectations

10:00 - 12:00 Workshop part I

12:00-13:00 Lunch

13:00 - 15:00 Workshop part II

15:00 - 16:00 Reflection, discussion

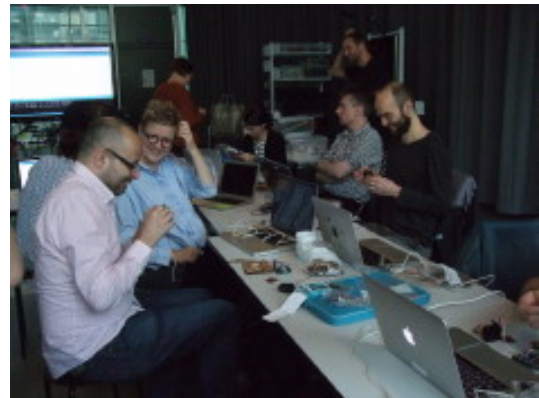
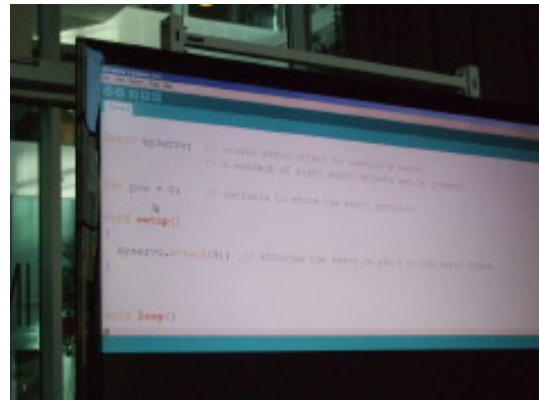
The workshop was conceived with a number of purposes in mind:

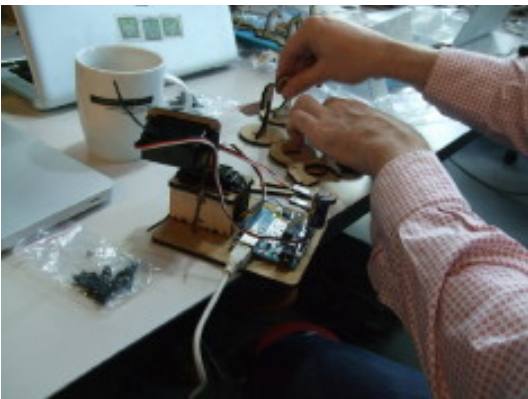
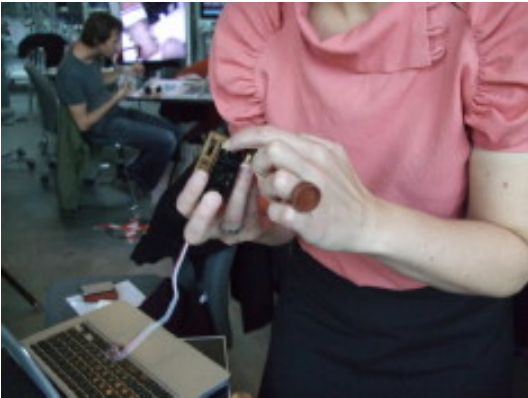
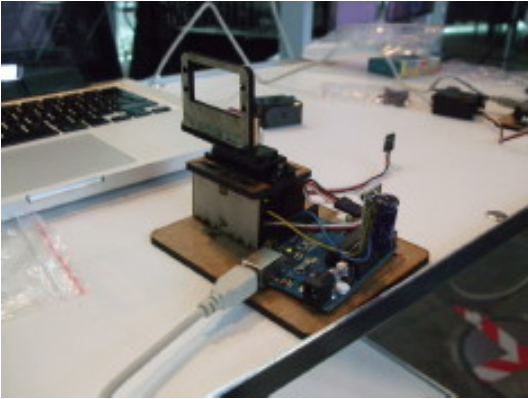
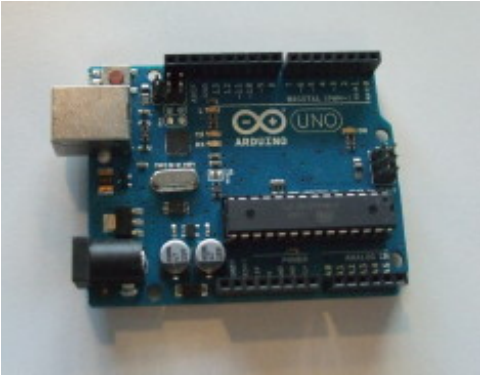
- for the Practice-based Research group and the ROCA group to carry out robot building in practice, as well as reflecting on the process and experience. Therefore, we included discussion and reflection before and after the workshop as a way of framing the practice.
- for the same reasons, we documented the workshop by video recording the event. Photos and video recording by Gunhild Borggreen are reproduced in this report, as well as on the ROCA website. Video recording by Rebekka Elizabeth Anker-Møller exist as raw footage and is to be edited with the purpose of investigating the processes of handling and bodily engagement with tools and technology.
- to get a sense of DIY - how to handle small scale technology in ways that may challenge common understanding of technology as something exclusively for experts.
- for the Practice-based Research group and the ROCA group to see the ITU lab and try by experience how such a lab may work. How can an IKK Lab look like if we were to build one?

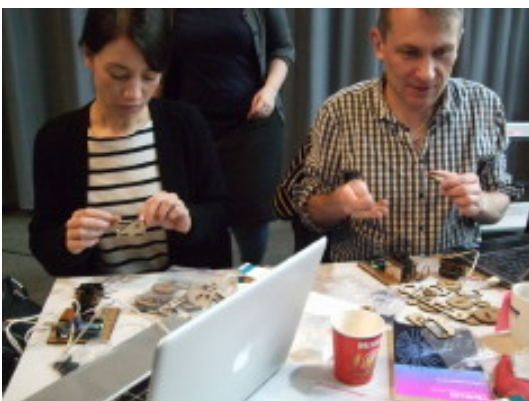
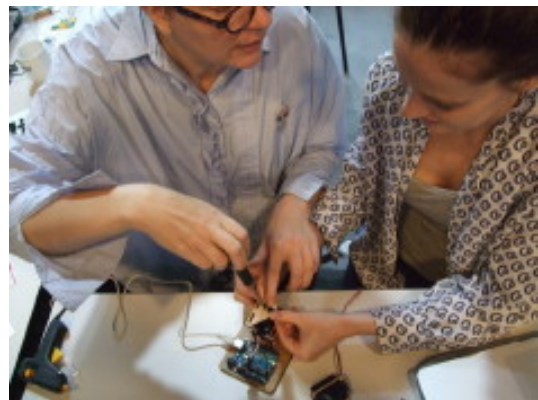
Participants

- **Workshop Instructor:** Dzl (Nikolaj Møbius), Illutron, with assistance by Ole Kristensen, Intermedia Lab
- **From ITU:** Laura Beloff, Anne-Marie Skriver Hansen, Cameline Bolbrie, Catherine Zebblin, Hanne-Louise Johannesen, Phillip Prager
- **From IKK:** Gunhild Borggreen, Mette Tranholm, Rikke Cortsen, Katrine Mosegaard, Bojana Romic, Rebekka Anker-Møller, Anna Gulmann
- **From Design School:** Troels Degn Johansson, Tau Lenskjold, Joachim Halse, Flemming Tvede Hansen
- **From PENSOR:** Marco Nørskov, Rikke Mayland Olsen

Image documentation







Editor: Gunhild Borggreen
Photo credits: Gunhild Borggreen
Illustration: Linus Gudmundsson