

Bachelor Project – RIOT in the Internet of Things



Recent Projects

Watr.li



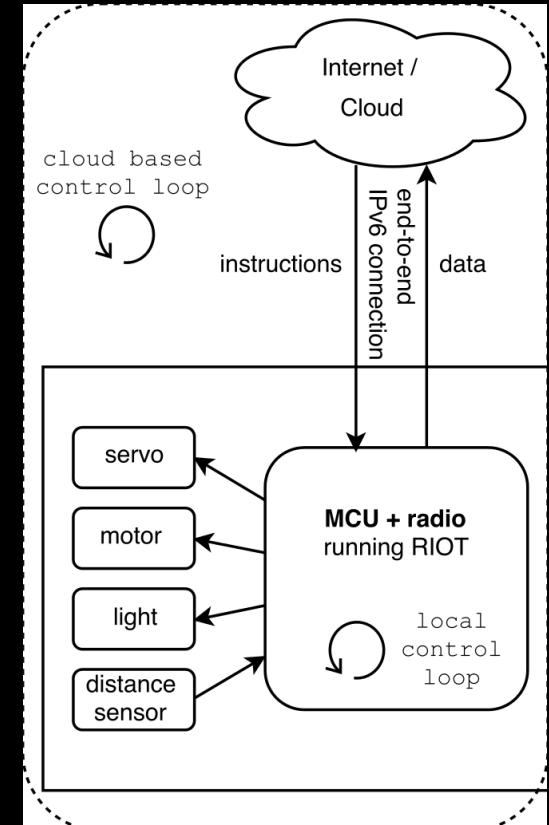
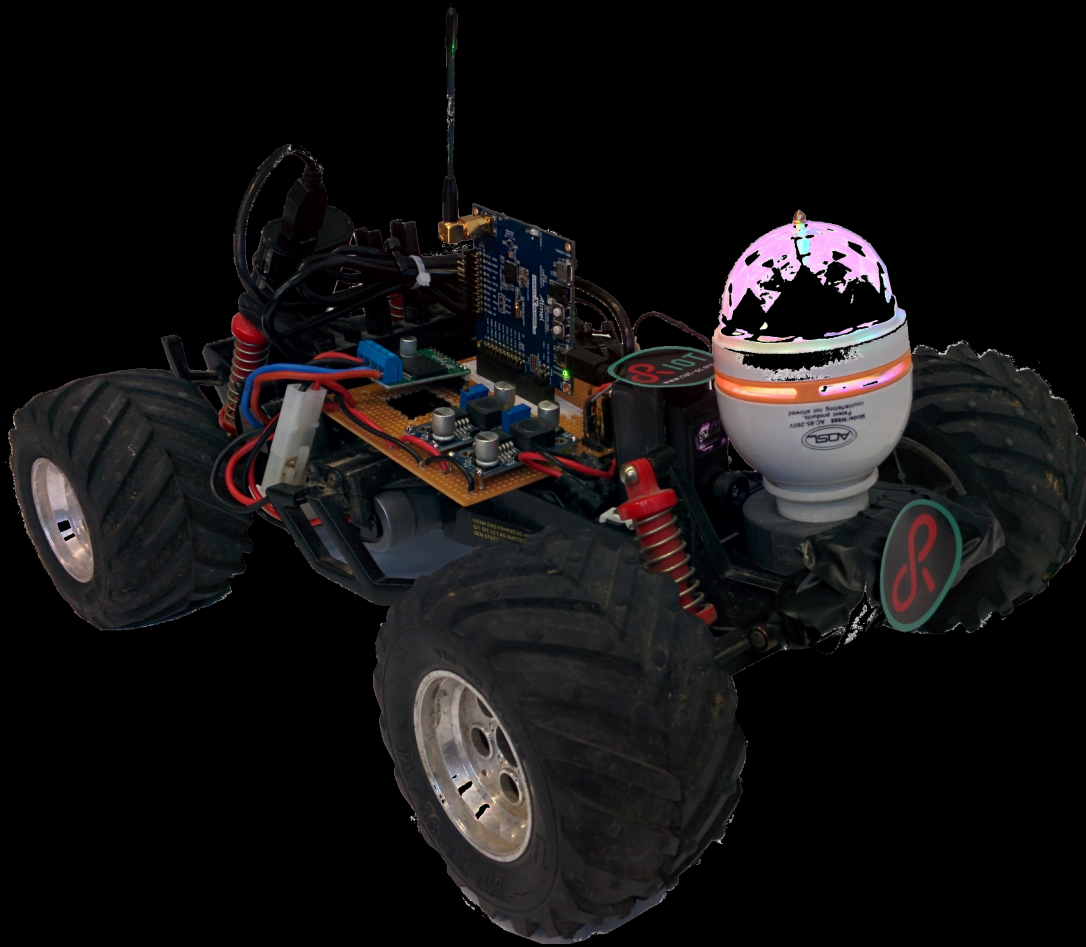
<http://watr.li>
Twitter: @watr_li



Eclipse IoT Challenge 2015

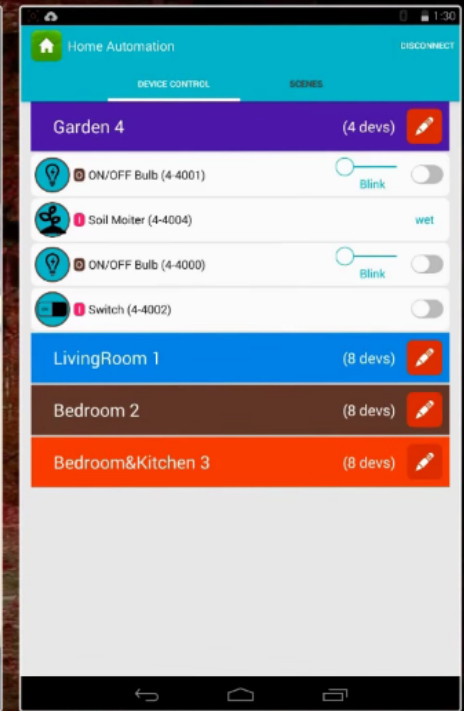
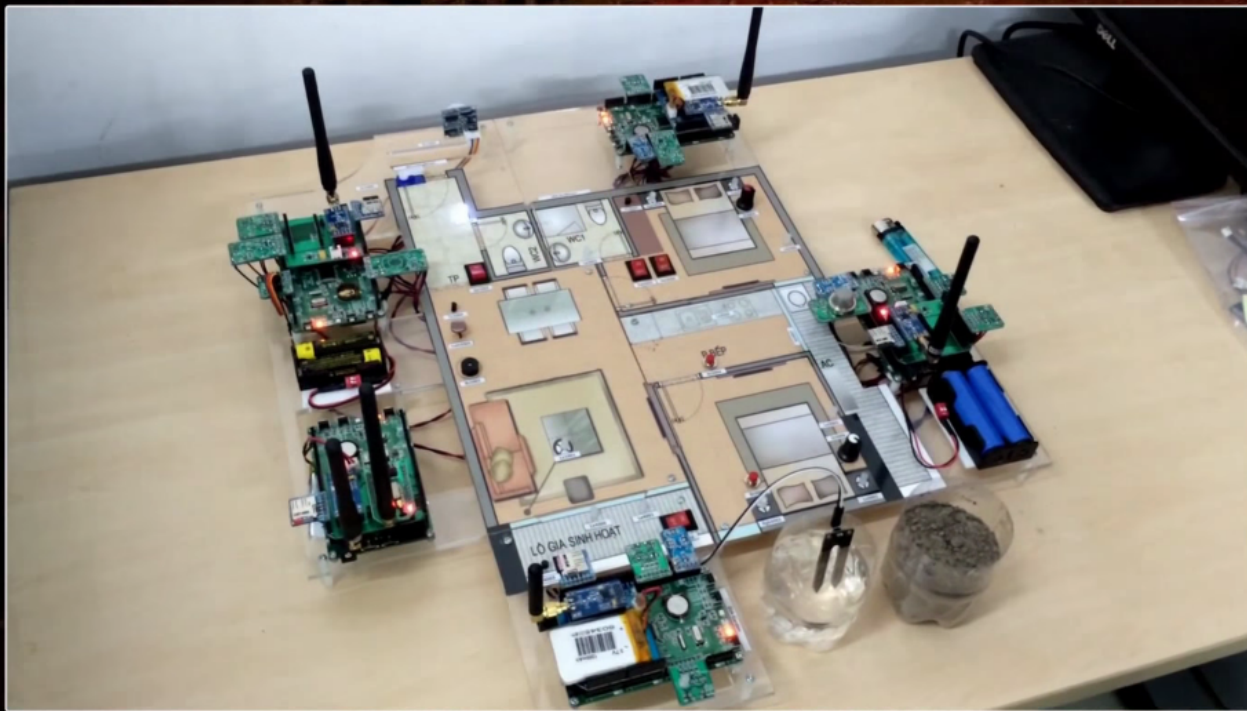
A screenshot of the Watr.li website. The header includes a navigation menu with 'Blog' and 'About', and logos for 'inet' and 'RIOT'. The main content area has a background image of cracked, dry earth. The 'watr.li' logo and tagline 'Building the Internet of Plants' are centered. Below this, there are two blog post entries. The first entry is titled 'It's a wrap!' and includes a sub-headline '2 months of watr.li: presentation, conclusion and outlook.' followed by a paragraph of text and a 'read more' link. The second entry is titled 'Sensing the humidity of a plant's soil' and includes a sub-headline 'Setting up the sensor with the SAM R21' followed by a paragraph of text and a 'read more' link. The footer of the page contains the text 'WRITTEN BY PETER KIETZMANN — MARCH 23, 2015'.

Petabot



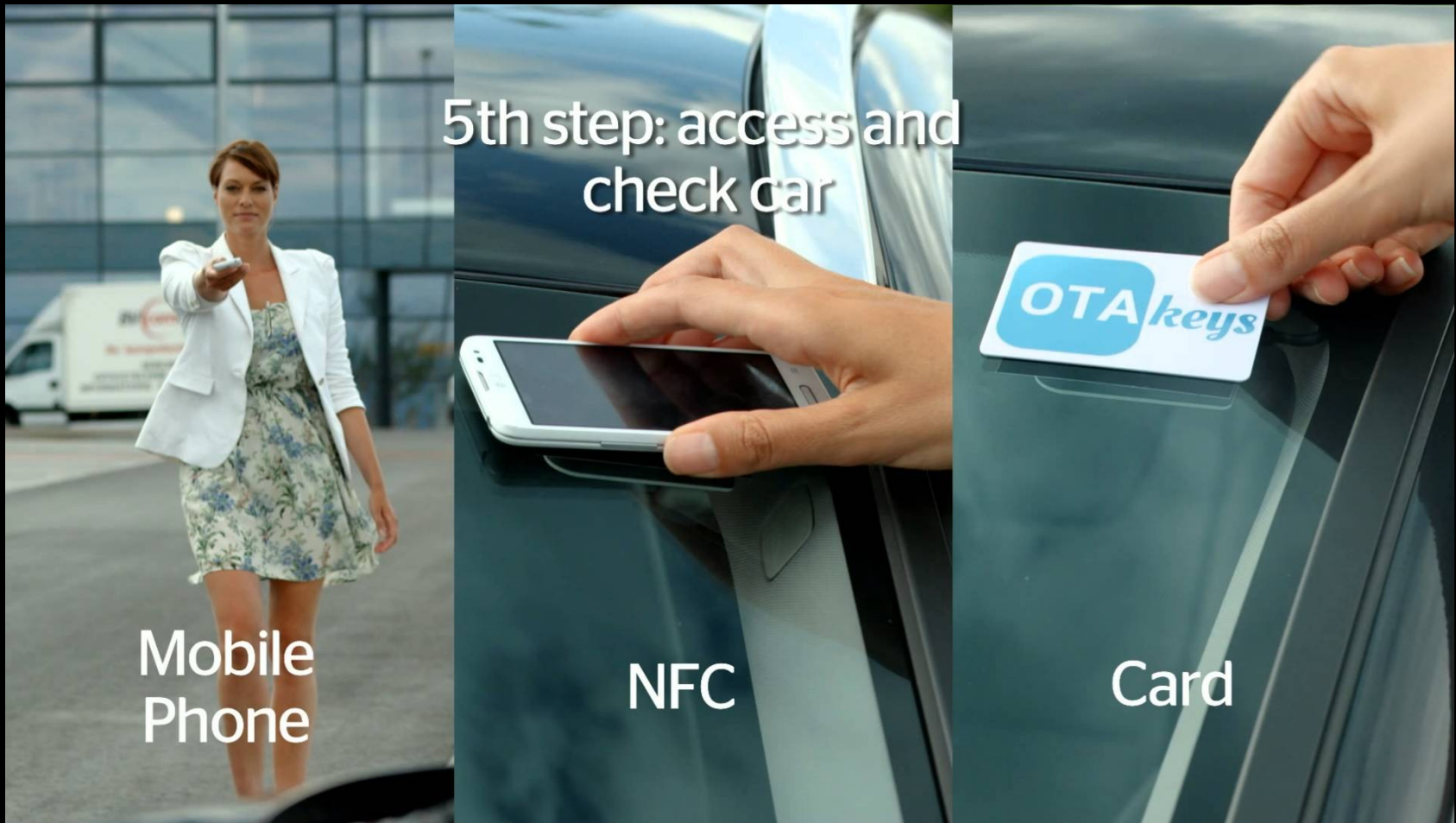
International Conference on Embedded Wireless Systems and Networks 2016

Home Automation System



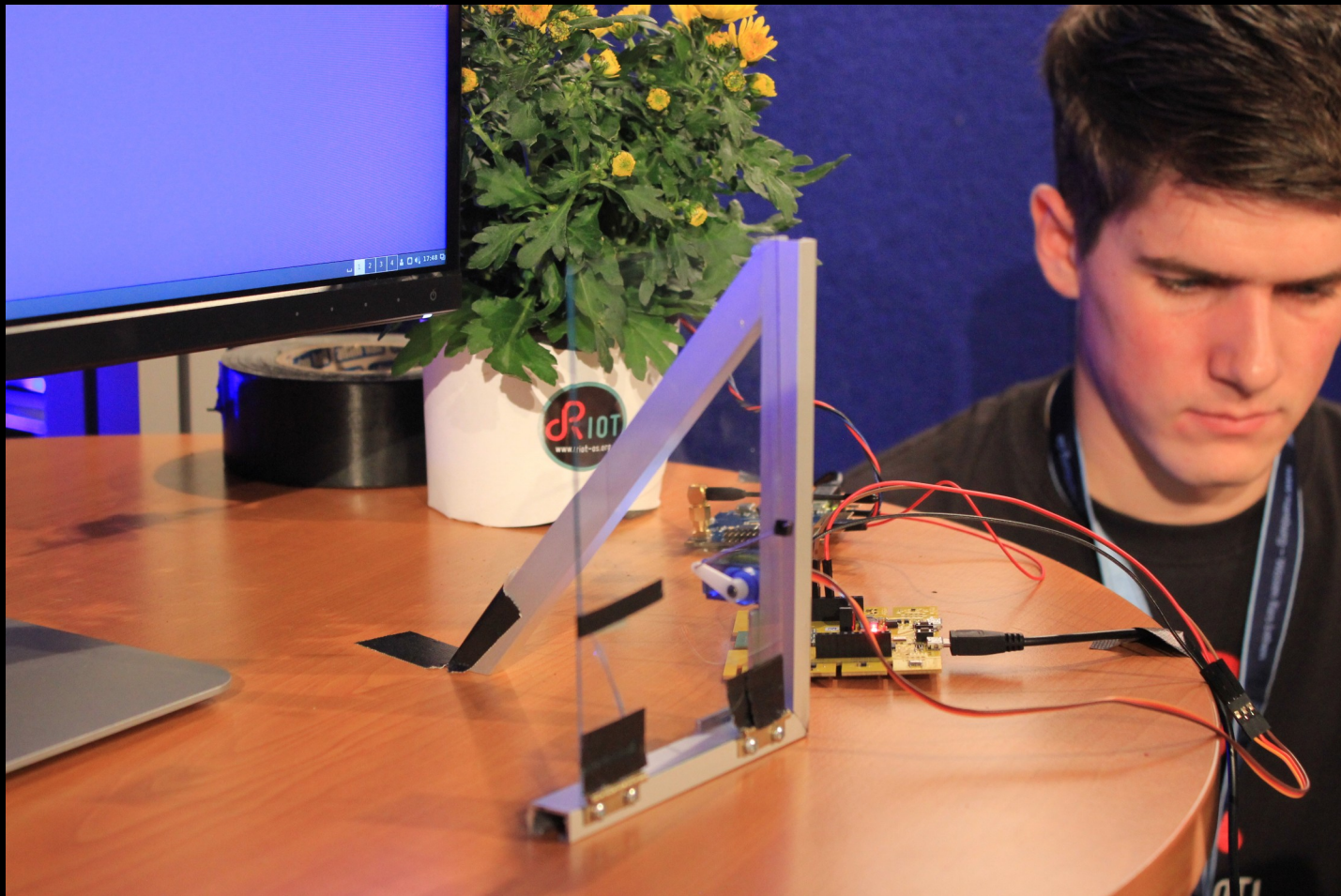
HoChiMinh City Universtiy of Technology (HCMUT), Vietnam

Car sharing - OTAKeys



<http://otakeys.com/>

SmartWindow



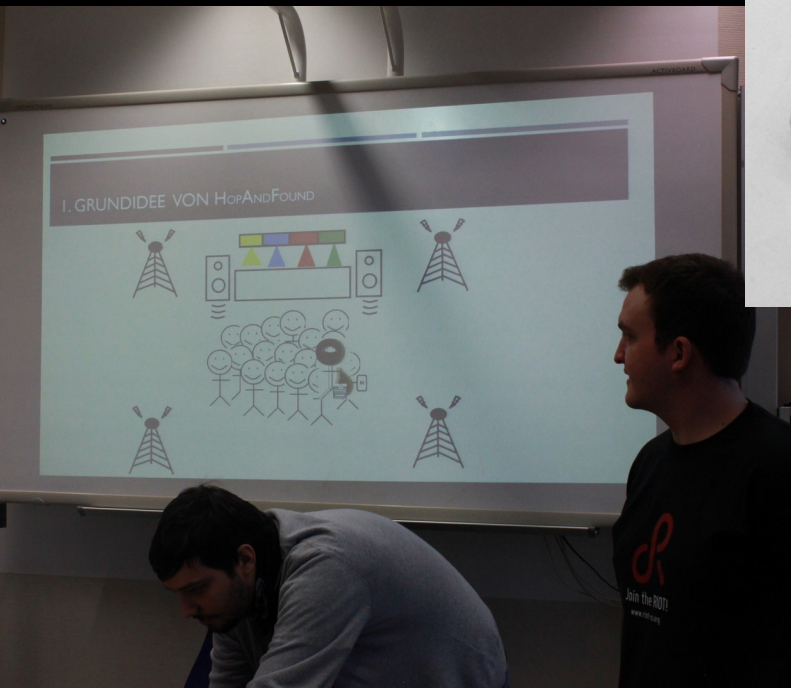
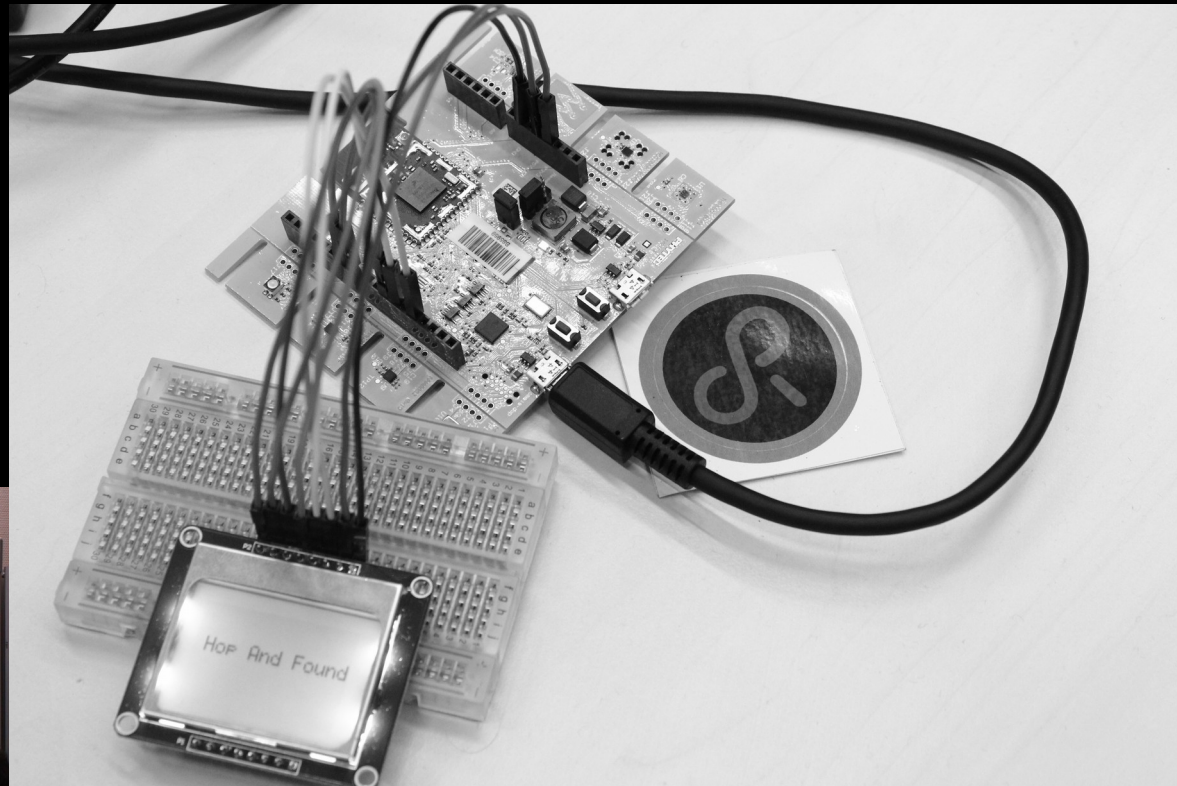
SmartWindow Bachelor PO WiSe 15/16

Haptic Game Feedback



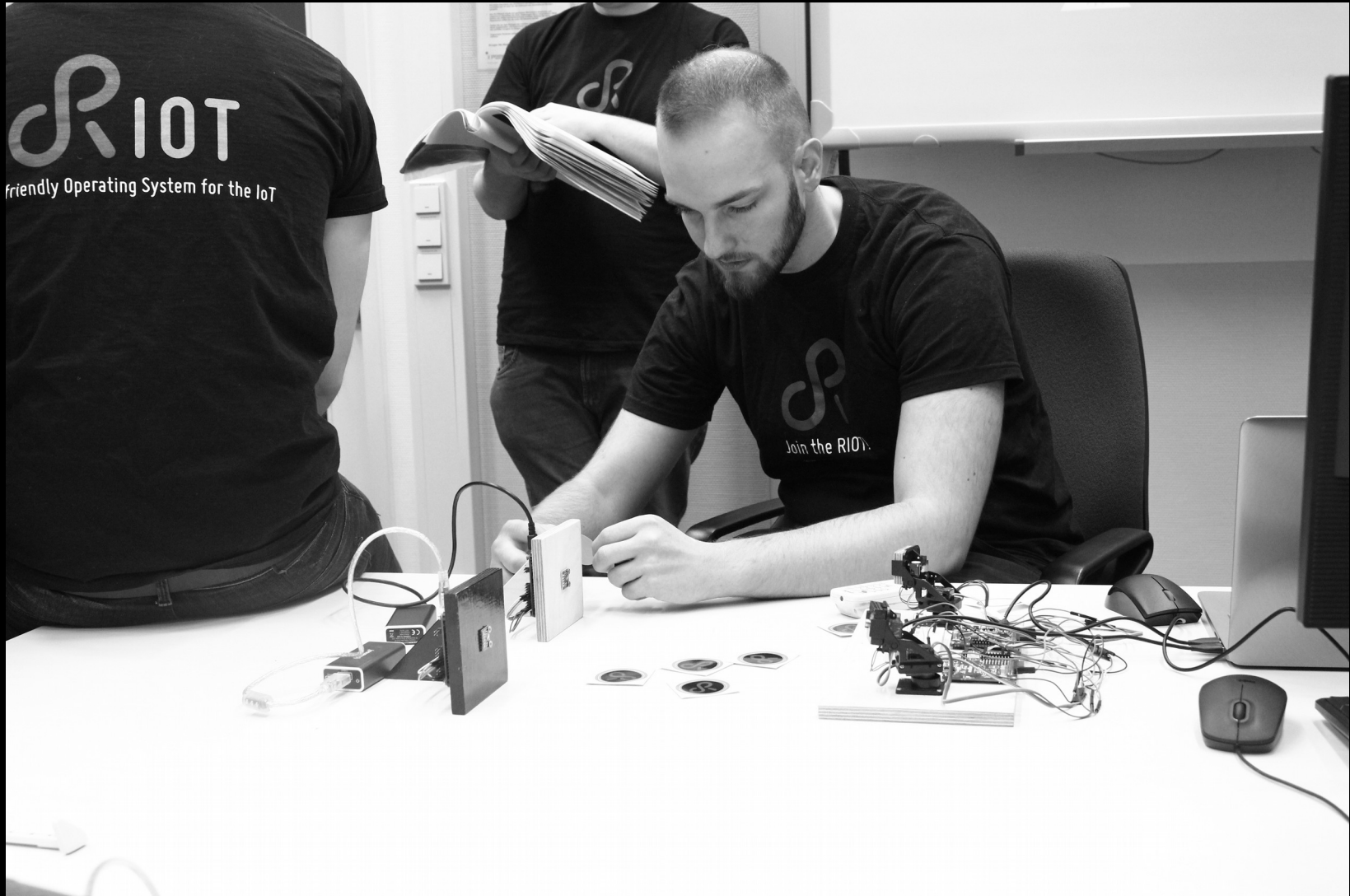
AudioGames Bachelor PO SoSe 16

Hop and Found



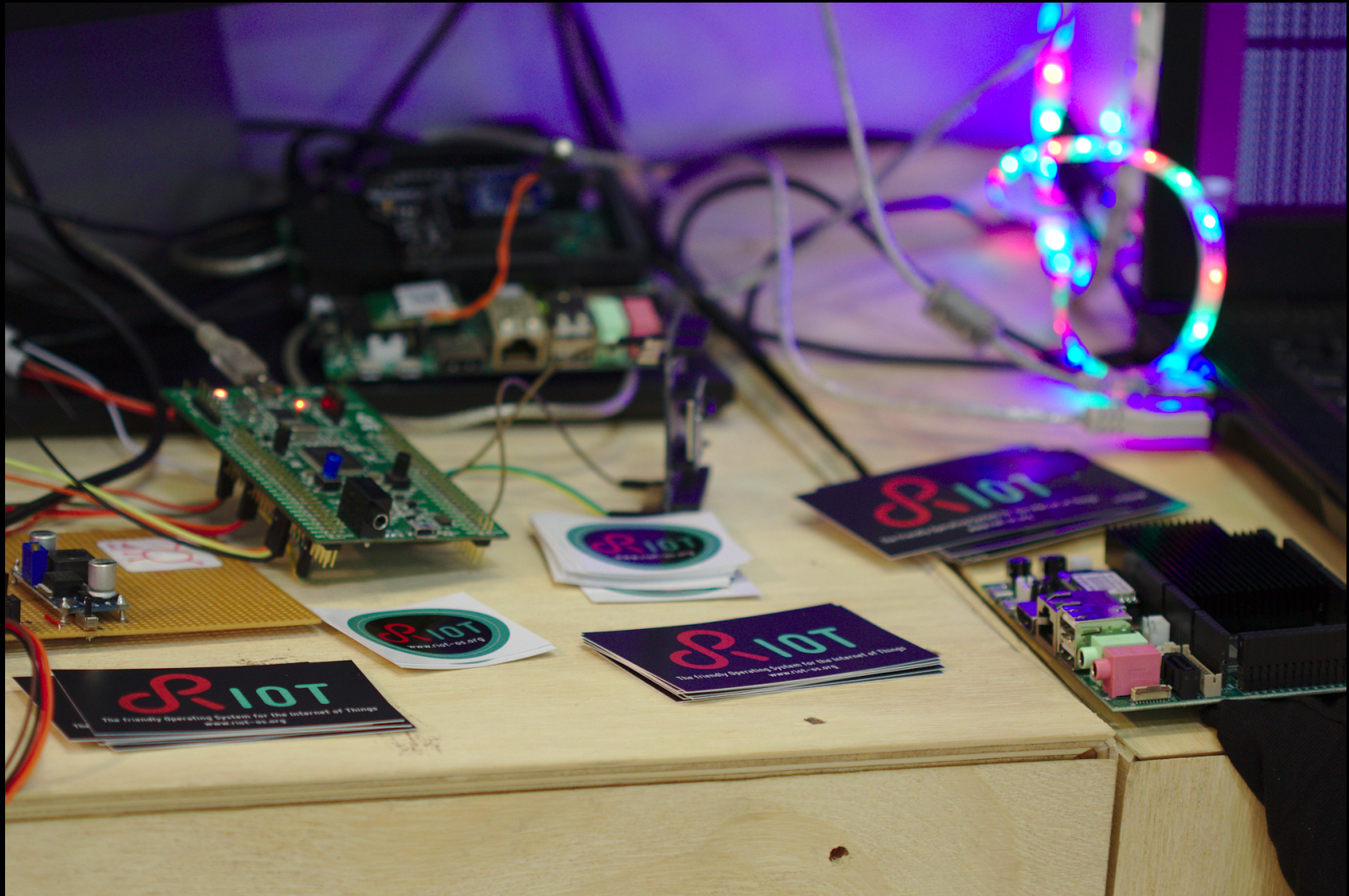
Bachelor PO WiSe 16/17

NervGun



Bachelor PO WiSe16/17

Maker



Project Proposals

Event Propagation

- Design & implement early detection and reliable propagation of events (low-power multi-hop wireless networks)
 - Intrusion detection in rural areas (motion)
 - Underwater pollution control (pH, temp., chem.)
 - Search & Survey missions
 - **Wearables**
- Design & implement wearables for everyday life
 - Health monitoring
 - Data synchronization
 - Sensory augmentation / haptic wearables

Smart Building / Smart City

Contact Information

Web: <https://www.riot-os.org/>

GitHub: <https://github.com/RIOT-OS/>

Mailing list: devel@riot-os.org

IRC: [#riot-os](irc.freenode.org)

News: https://twitter.com/RIOT_OS

