

# regional meeting

Mkhitar Evoyan



Zhirayr Ghukasyan

zhirad

Jakob



reccomendation from Krisjanis: ESP now

Sam

<https://git.smikkelbakje.nl/Smikkelbakje/Labvoeding>

<https://git.smikkelbakje.nl/Smikkelbakje/Labvoeding> missing picture of toilet esp32

Irja

Dylan Heneck

Patrick



Forrest Oliphant



Level shifter LevelShifter\_Texas\_TXB0104DR\_SOIC-14

Yerlan Turgenbayev

[https://player.vimeo.com/video/1071658804?h=69e2c6f3c1badge=0&autoplay=0&player\\_id=0&app\\_id=58479](https://player.vimeo.com/video/1071658804?h=69e2c6f3c1badge=0&autoplay=0&player_id=0&app_id=58479)

Your browser does not support the video tag.

# Useful Links

- ihlin
  - <http://irja-ed23b9.waaglabs.nl/>
- sam
  - <https://git.smikkelbakje.nl/Smikkelbakje/Labvoeding>
  - made a 3d printed power supply
  - sam: I recommend designing some sort of top lid or assembly so you can easily access the inside. I had a hard time assembling it
- dylan
  - <https://www.digikey.com/en/products/detail/analog-devices-inc-maxim-integrated/TMC2208SILENTSTEPSTICK/6873626>
  - working with stepper motors and something called stepstick
  - reference project <https://gitlab.com/kriwkrow/rotostage>
- wireless communication: espnow protocol. connect two esps wirelessly. one is communicating with the computer, one with the glove
- flexible pcb: FPC.
  - at the lab: copper foil with conductive acrylic adhesive + epoxy tape
    - probably needs much time.
  - online: [jlcpcb flex pcb](#)

- connectors in case of rigid pcbs:
    - <https://www.digikey.com/en/products/detail/gct/FFC3B11-04-T/10657221>
    - <https://www.digikey.com/en/products/detail/molex/0982670701/3469873>
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