

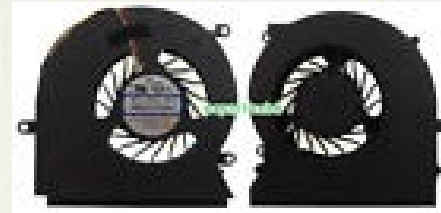
# *Lab activity*

Liviu Ivănescu


MusaeLab meeting  
25 Sep 2020

# Infrastructure maintenance

- MUSE02 server repaired and reinstalled
- Upgrade MUSE01 and MUSE03 to Windows 10
- NIRS & BioSemi EEG firmware, software and drivers upgrade to Windows 10
- NIRSTORM training at PERFROM
- MSI laptop repaired (fans replacement)
- Spare computer hard drive failure and repairs
- Format/reinstall iMac for Marc-Antoine
- Repair/reinstall Olivier's computer and bring it home
- Asus laptop repair, made available to run POLQA, bring home to Shruti



# Purchase new hardware

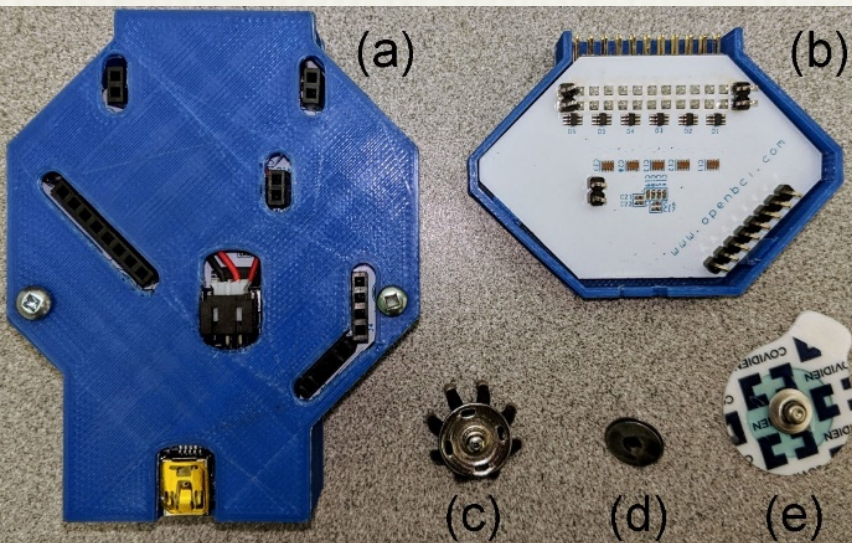
- HTC Pro Eye (VR/AR HMD with eye-tracking)
    - *VR setup in room 52*
    - *Raymundo home*
  - Gaming VR desktops: lab/room52, Amr, Marilia, Shruti
  - DAQ LabJack U6 @ 1 kHz, used for radar experiments
- 



# Purchase new hardware

- OpenBCI Daisy,  
new caps from China
- 3D print two new enclosures  
for biosensing board
- Cognionics (CGX) DevKit,  
Flex sensors

*Dancing/portable EEG setup*

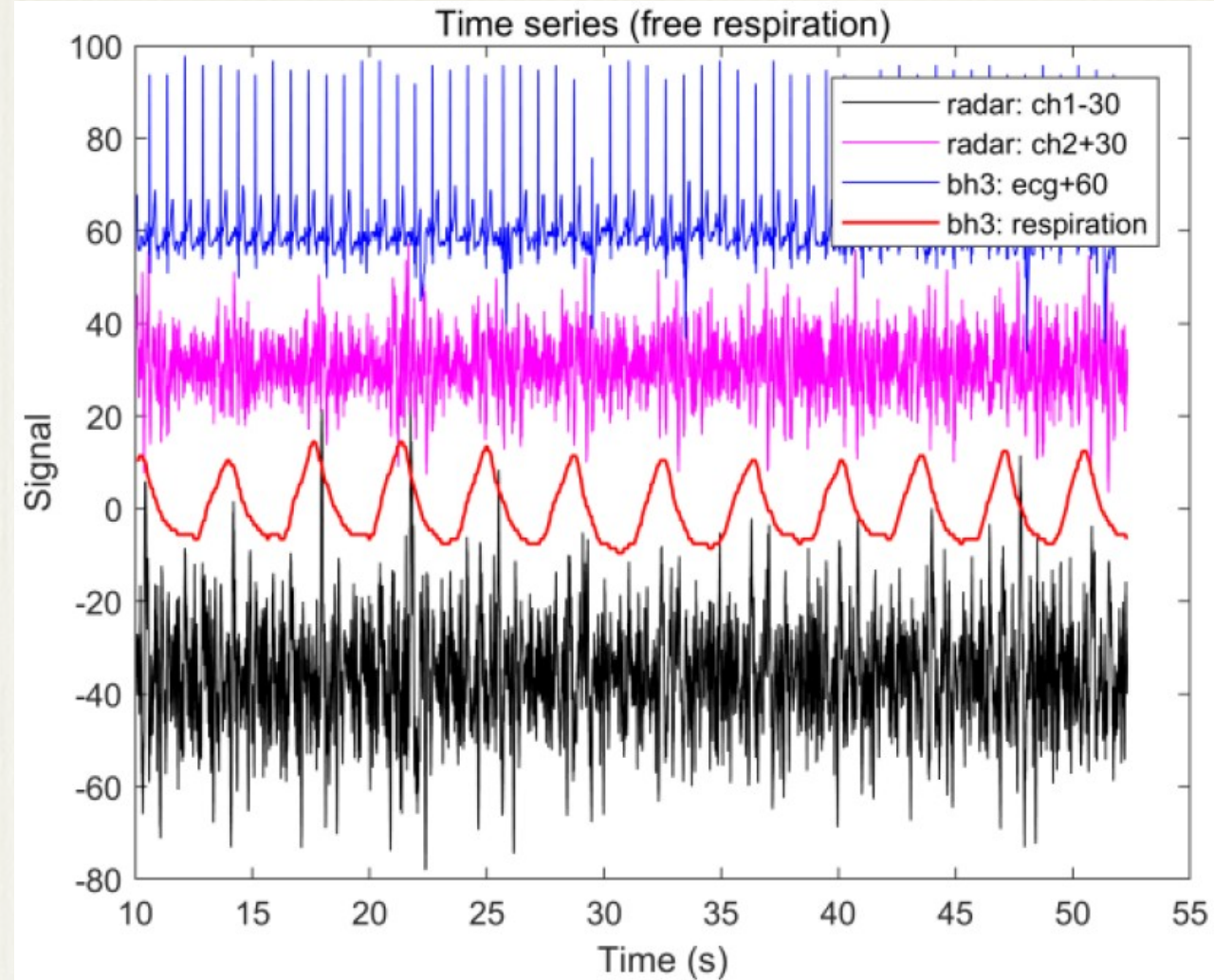
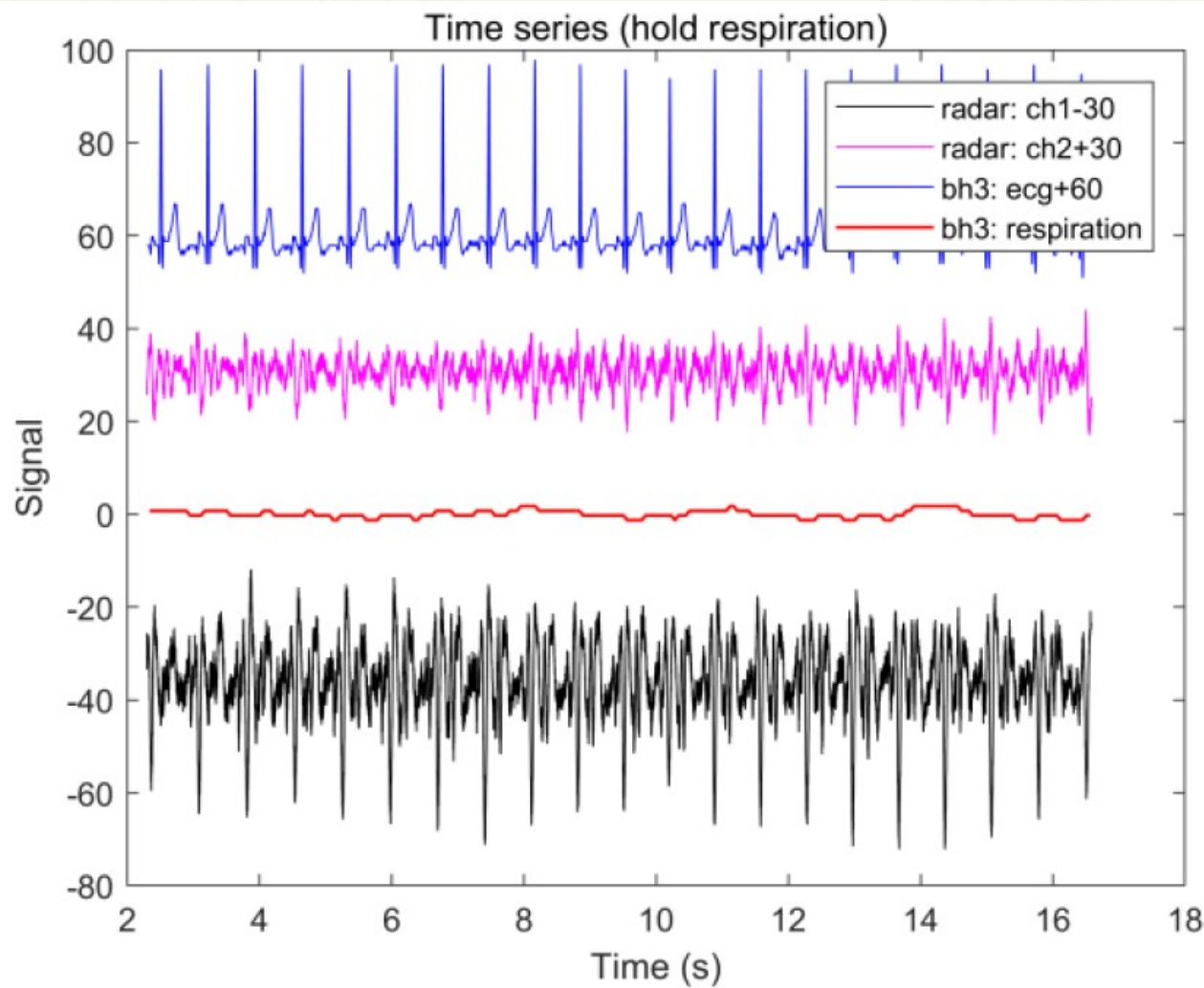


# Outreach / lab visits

- radar demo for Nissan
- Demos at PERFORM Concordia
- Lab visit, support for Vincent Poire - set lab
- Assist prof Maier to buy VR computers
- Mark Parent visit
- Demos for 50 yr INRS anniversary in Varennes
- Open house: demos for students visiting INRS EMT
- University Santiago de Cuba trip, meet students, see labs, make presentations



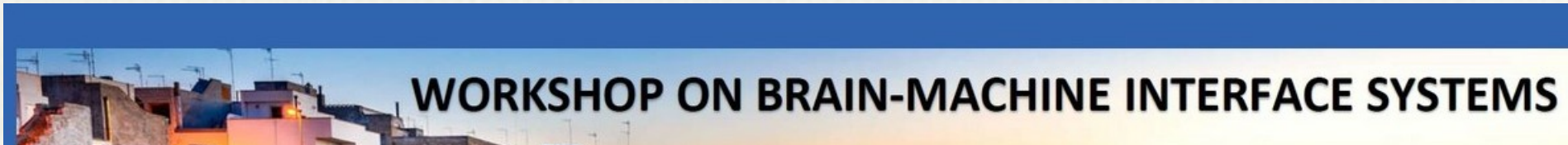
# Research *Radar/bioharness - respiration/heart rate project*



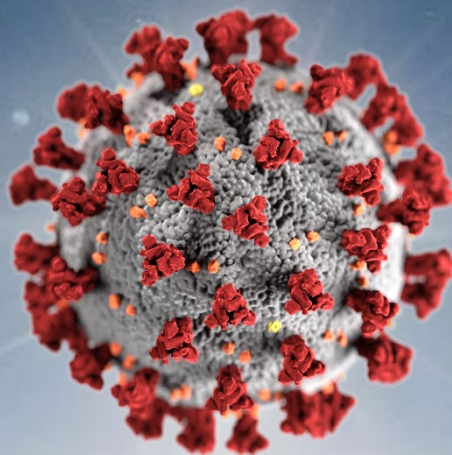
LabJack DAQ improved information allowing HR retrieval up to 1-1.5 m – see Raymundo work!

# Webmaster

- MusaeLab
  - datasets/codes available on our website to support SMC magazine paper, Isabella paper
  - workaround a hacker attack through our contact form
- Websites for IEEE SMC 2019 & 2020, QoMEX 2021



*Merci!*



*Ça va bien aller!*

Photo: Mika McKinnon