BRNO UNIVERSITY OF TECHNOLOGY

DEPARTMENT OF RADIO ELECTRONICS Technicka 3082/12 616 00 Brno Czech Republic

MEETING WITH SENIOR STUDENTS

to study or not to study the postgraduate

… that is the question

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FACULTY OF ELECTRICAL ENGINEERING AND COMMUNICATION department of radio electronics

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Important

Important dates:

- deadline for submitting an e-application: 1. 4. - 15. 5. 2021 (1 round)
- date of entrance exams: 17. 6. 2021 (1 round)

A handling fee

- electronically filed application 700,- Kč (28 EUR)

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Should I study Ph.D.?

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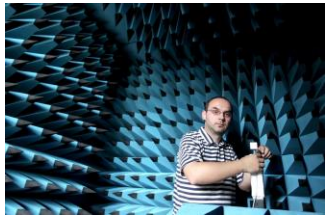

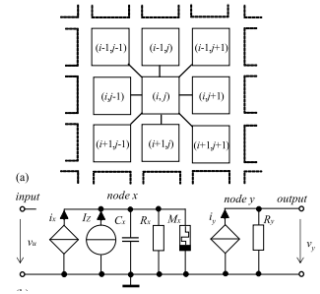

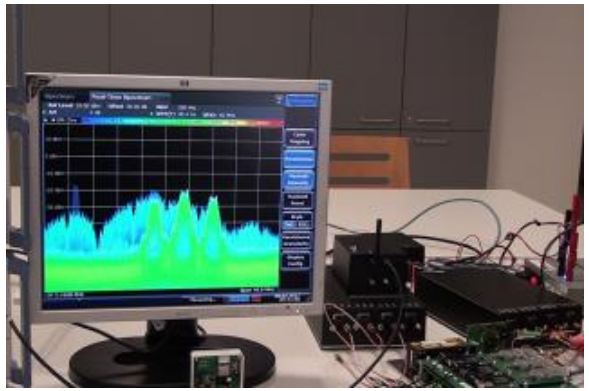

Should I study Ph.D. (philosophiæ doctor)?

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Motivation

Satisfaction

Should I study Ph.D. (philosophiæ doctor)?

Finance:
Řádné stipendium – až 10 125 Kč/měs
Zapojení se do projektů GAČR, TAČR, ESA +(10 000 - 40 000 Kč)
Možnost zapojit se do mezinárodních týmů/projektů

Bonusy:
- excelentní výsledky výzkumu a vývoje (publikace v Q1/Q2 časopisech)
- mimořádné stipendium 20 tis. Kč za včasné odevzdání doktorské práce

- Nutnost stáže na zahraniční universitě

Seznam témat:
https://vutbr-my.sharepoint.com/:b:/g/personal/gotthans_vutbr_cz/EVAOJ_Rg-4lBvJj7DbEg-5wB0ieSh-Y0q50o4dw0akeAew?e=bFgv2r

Should I study Ph.D. (philosophiæ doctor)?

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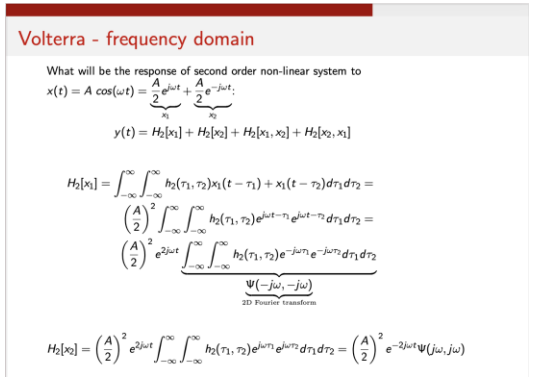
Proposed topics:

Microwave and antennas:
6
Signal processing and communication:
7
Circuits:
4
Optics:
2
Digital television systems and video technology:
5

Adversarial machine learning for drone communication
Black box neural network modulator/demodulator
Drone hijacking

UAV Detection and Localization by MIMO radars
Drone is usually small for radars, however their rotors have specific signatures



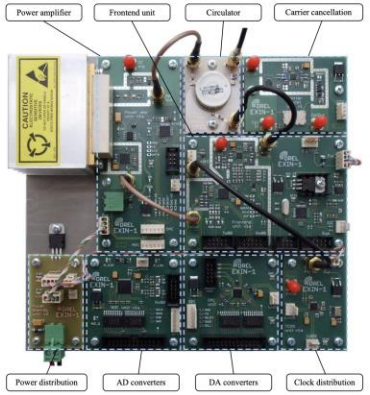
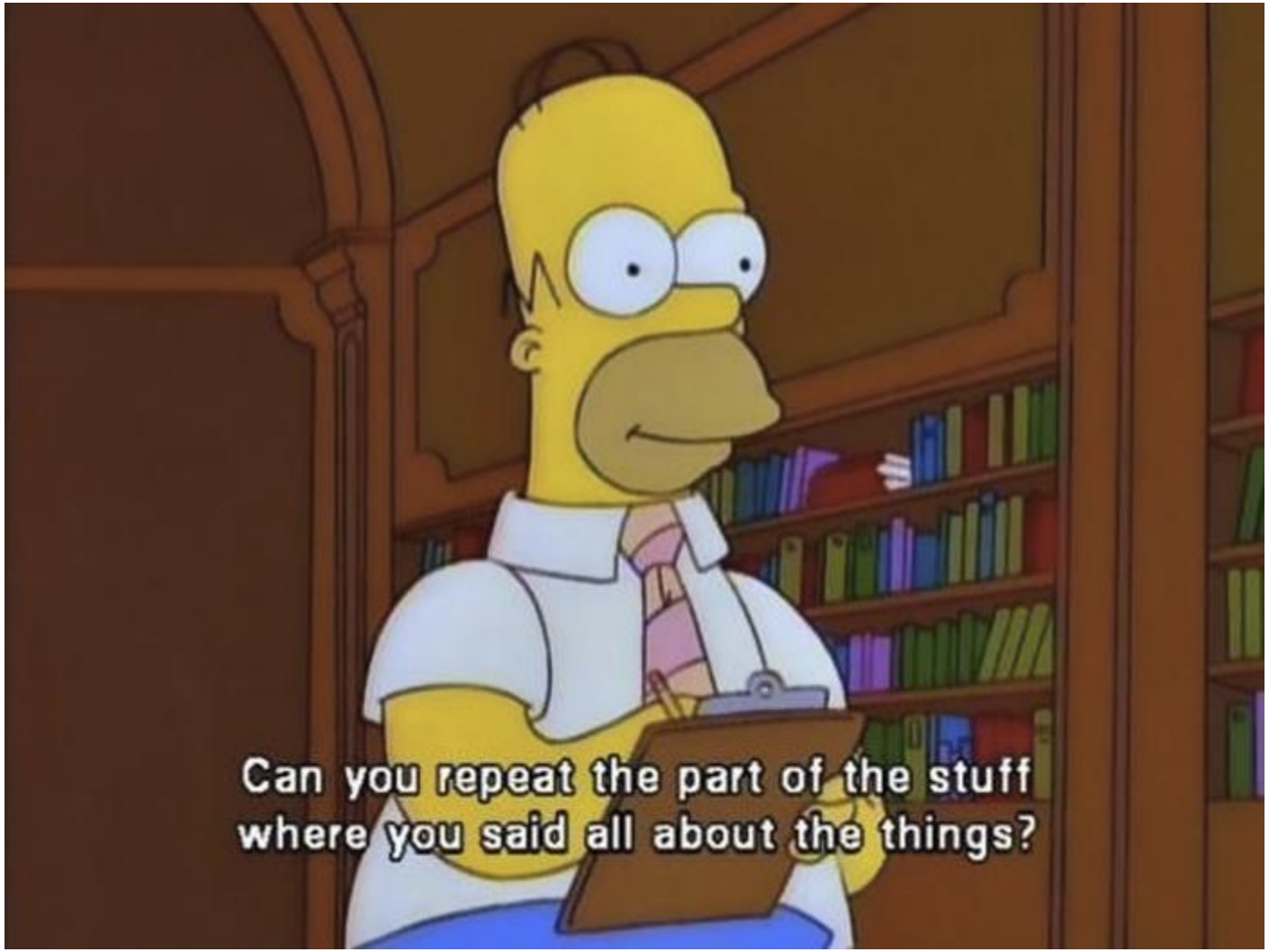


Fig. B.1: Testbed with the experimental UHF RFID front end

Questions?


Can you repeat the part of the stuff
where you said all about the things?