



Rafael Ruben Boros

DATE OF BIRTH:
20/06/1995

CONTACT

Nationality: Hungarian

Gender: Male

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Hungary

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LANGUAGE SKILLS

MOTHER TONGUE(S): Hungarian

OTHER LANGUAGE(S):

English

Listening B2	Reading B2	Spoken production B2	Spoken interaction B2	Writing B2
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WORK EXPERIENCE

01/09/2020 – CURRENT – Miskolc, Hungary

Assistant lecturer

Miskolci Egyetem, Gépészmechnöki és Informatikai Kar, Fizikai és Elektrotechnikai Intézet

Teaching subjects:

Electrical Engineering-Electronics

Electronics

Power electronics

Electronic converters

Electrical machines and drives

Virtual and remote control instrumentation

Electric servo drives

Additional job:

Installation and maintenance of medical mask production lines

Maintenance of university laboratories and development of laboratory measurements

Active participation in industrial development and scientific research

Continuous monitoring of the profession, expansion of knowledge

Consultation with students in the preparation of Complex plans and TDK dissertations, as well as dissertations and diploma projects

Striving for an academic degree

Conducting measurement exercises

01/08/2018 – 01/09/2020 – Miskolc-Egyetemváros, Hungary

Technical assistant

Miskolci Egyetem

03/07/2017 – 11/08/2017 – Miskolc, Hungary

Internship

MÁV-START Zrt.

Miskolc

EDUCATION AND TRAINING

01/09/2020 – CURRENT – Egyetemi út 1., Miskolc, Egyetemváros, Hungary

PhD

Miskolci Egyetem Hatvany József Informatikai Tudományok Doktori Iskola

09/2018 – 16/06/2020 – Egyetemi út 1., Miskolc-Egyetemváros

MSc: Electrical engineer

University of Miskolc

09/2014 – 06/2018 – Egyetemi út 1., Miskolc-Egyetemváros

BSc: Electrical engineer

University of Miskolc

2010 – 2014 – Miskolc, Hungary

Graduation

Andrássy Gyula Szakközépiskola

PUBLICATIONS

Publications

MTMT: 10067321

Themes:

- Power electronics
- Solar tracking solar cell with intensity meter, data recording
- Smartphone-controlled frequency converter asynchronous motor drive design
- Hardware and software implementation of a touch screen configurable sinusoidal inverter
- Design and construction of a gamma radiation meter
- 1 and 3 phase triac voltage regulator with rectifier
- Design and winding of transformers
- Construction and programming of microcontroller systems
- Frequency converter asynchronous motor drives
- Design of space-vector forming circuits
- Design of three-phase SCR rectifiers
- Matlab / Simulink simulations for power converters
- Solar powered inverters
- EMC measurements

DRIVING LICENCE

Driving Licence: B

HONOURS AND AWARDS

Díjak és kitüntetések

ELMŰ-ÉMÁSZ special prize for the highly qualified thesis.

2nd place at the Scientific Student Circle Conference, 2 times.

Achieved 1st place at the Scientific Student Circle Conference, 1 time.

FESTO Postgraduate Diploma in Pneumatics

DIGITAL SKILLS

Google Drive / Facebook / Microsoft Word / Zoom / Microsoft Office /
Skype / Microsoft Powerpoint / Microsoft Excel / Instagram / Power
Point / Internet user / Google Docs