

PERSONAL INFORMATION

Szekely Norbert-Csaba



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Romania

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Sexul Masculin | Data naşterii 01/11/1992 |
Naţionalitatea Romana

JOB
Assistant 2017-present

ASSISTANT for a fixed period at the Department of Electrical Machinery and Drives, Faculty of Electrical Engineering

- February 2023- December 2023 Research Assistant at the Technical University of Cluj Napoca
 "Innovative vibrating system for ploughs with bodies in operation and in production" with electronic registration number SMIS 156531
- February 2023- December 2023 Research Assistant at the Technical University of Cluj Napoca
 "Development of an innovative electronic system for the collection of energy from renewable sources" with electronic registration number SMIS 156450
- December 2021- September 2023 Research Assistant at the Technical University of Cluj Napoca
 "Forest funicular with hybrid drive and energy recovery" with electronic registration number SMIS 120499
- November 2016- March 2022 Research Engineer at the Technical University of Cluj Napoca
 on the POC/P_40_391 research project, "High Power Density and High Efficiency Micro-Inverters for Renewable Energy Sources - MICROINV"
- September 2015- 2017 Research Engineer at the Technical University of Cluj Napoca
 on the research project PCCA60/2014, "Innovative device to protect the electricity network against low-power electronic consumers"

EDUCATION AND TRAINING

01 October 2015 –
 July 29, 2022

Doctoral Studies - Thesis title: "Research on increasing the quality of electricity using electronic power converters"
 scientific supervisor: Prof.dr.ing. Teodor PANA
 Technical University of Cluj-Napoca,

01 October 2015 – 2017 **Master's degree – Faculty of Electrical Engineering, specialization
Advanced Electrical Systems and Structures**
Technical University of Cluj Napoca (Romania)

01 October 2011 –
22 June 2015 **Bachelor's studies – Faculty of Electrical Engineering, specialization
Power Electronics and Electric Drives**
Technical University of Cluj Napoca (Romania)

September 15, 2007 - **"George Baritiu" Technical College, Baia Mare (Romania)**
15 June 2011 Profile: Telecommunications

PERSONAL COMPETENCE Romanian, Hungarian

Mother tongue

Alte limbi străine cunoscute

French
English

Understanding		Speech		Writing
Listening	Reading	Participation in conversation	Oral Discourse	
B1	B1	A2	A2	B1
B1	B1	B1	B1	B1

Scientific activity

14-16 April 2016 **Silver Medal** National Salon "CadetInova 16" Sibiu, 2016, Sabau Madalina,
Norbert Szekeley, Petre Dorel Teodosescu, Electronic device for LED lighting systems
2019 **Invention Patent** Electronic Device for LED Lighting Systems
PN-III-P1-1.1- PRECBVT2019-2200

2021 **Invention Patent** Electronic Interleaved Converter LIFT/DESCENDER voltage.

Communication skills

- Team spirit
- Interpersonal communication
- Availability for involvement in socio-cultural activities, volunteering
- Decision-making capabilities
- Brainstorming
- Analytical spirit, observer
- Self-improvement capacity
- Seriousness and responsibility
- Ability to quickly assimilate information
- Ability to follow instructions and act in a structured manner
- Ability to work under stress
- Individual learning and study
- Perseverance



Computer skills

- Knowledge of the C/C++ programming language (basic)
- Software programming and simulation environments: Autocad, Mathcad, Orcad, Matlab Simulink, PSIM, Solidworks, simplify3D
- PCB design environments: KiCad EDA, ExpressPCB.
- Good knowledge of the Office package:
 - *Microsoft Word
 - *Microsoft Excel
 - *Microsoft PowerPoint
 - *Microsoft Outlook Express
- Microsoft Visio
- PC and peripherals installation

Driver's license

: B

Cluj Napoca
Data: Iulie 2024

Signature: Dr.Ing. Szekely Norbert Csaba