CURRICULUM VITAE

Dipl.-Ing. Aleksandra Stanojevic, MSc

Affiliation: PhD Student
University of Innsbruck,
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PERSONAL DATA

Date of birth: 2 July, 1993.
Place of birth: Negotin, Republic of Serbia
Nationality: Serbian

EDUCATION

- Ph.D (October 2019–Present)
  - **Dissertation**: "**Design of the extreme fast charger for e-mobility applications**", Innsbruck Power Electronics Lab. (i-PEL), University of Innsbruck, Austria
- M. Sc.E.E. (2 years program, September 2019)
  - **Master thesis**: "**Design of the test bench using controlled permanent magnet machine as a load for inverter testing,**" Erasmus Mundus Joint Master degree program in Sustainable transportation and electric power systems (STEPS), University of Oviedo, Spain; University of Nottingham, United Kingdom; University of Rome "Sapienza", Italy
- M. Sc.E.E. (1 year program, October 2018)
  - **Master thesis**: "**Application of wireless sensors networks in electrical power systems,** Faculty of Electronic engineering**,** University of Niš, Serbia
- Dipl. Ing. (4 years program, October 2016)
  - **Diploma thesis: "Starting and speed regulation methods for induction motor,"** Faculty of Electronic engineering**,** University of Niš, Serbia.

EMPLOYMENT & PROFESIONAL ACTIVITES

October 2019 - Present

Teaching Assistant
Innsbruck Power Electronics Laboratory (i-PEL), Institute of Mechatronics,
University of Innsbruck, Innsbruck, Austria

February 2019- July 2019

Electrical Engineering Intern
"Electronica y Comunicaciones Noroeste, S.L."
Fene , La Coruña, Spain

ON-GOING R&D PROJECTS

[PR 1] Design of the extreme fast charger for e-mobility applications

COMPLETED R&D PROJECTS

Industrial Projects:

[PR 2] Design of the test bench for inverter testing using controlled permanent magnet machine as a load

- In this project is developed the control of speed of permanent magnet machine fed up from back-to-back PWM three-phase converter supplied from the grid, as part of the project of a test bench for testing the commercial inverter.
- Hardware design of power stage and interface between power stage, control implementation in DSP.

RESEARCH INTEREST

- Advanced power conversion concepts for fast ev-charging applications
- Control of state-of-the-art bidirectional power converters for future V2G systems
- Application, control and driving techniques for advanced power semiconductor devices: IGBT, MOSFET, SiC, GaN....

Academic and Teaching Activities

Short Master/PhD Courses:

[L 1] "IoT Summer course," two weeks course, STEPS program, University of Oviedo, Spain, August, 2018.

[L 2] "The Teaching Factory: Making The Car Of Tomorrow," two weeks basic course, BEST organisation Patras, Patras, Greece, July, 2018.

LANGUAGES

Serbian-Native, **English**-Fluent, **Spanish-**Reading and Speaking, **German**- Basic, **Russian**-Basic