Nikolaos Gavriilidis

Nationality	Greek (Hellenic)
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PROFILE

I am a master student on my 2nd semester in Engineering Management at Technical University of Denmark. My previous studies in Electrical and Computer Engineering in combination with my current studies have given me the ability to adjust quickly and effectively to new key requirements and demands at an academic, social and personal level. With over five years of studies in engineering, I have exceptional skills in planning and scheduling as well as problem-solving and I am very interested in the field of Risk and Decision-Making. My creativity and team working skills combined with my knowledge in engineering make me believe that I have the capability and potential to seek an opportunity to hold a job which will help me to enhance my knowledge and gain hands on working experience.

EDUCATION

AUG 2015 – JUN 2017
Danish Technical University (DTU)
Master of Science in Engineering Management

NOV 2007- NOV 2013:
Democritus University of Thrace (DUTH)
Department of Electrical and Computer Engineering
Dip(Eng) in Electrical and Computer Engineering (5 year degree, 65 courses)
Direction of Specialization: Energy
Grade 7.44/10 (Very Good)
Thesis Report: "Maximum power point tracking (MPPT) in wind turbines with permanent magnets ", Democritus University of Thrace, October 2013

SEP 2001- JUN 2007:
Graduate of 6st Public High School of Glyfada, Athens, Greece
School Certificate
Grade 18.9/20 (Excellent)

RESEARCH EXPERIENCE

Nov 2012-Nov 2013

- **Diploma thesis: "Maximum power point tracking (MPPT) in wind turbines with permanent magnets"**. Study of the permanent magnet machines and comparison with the conventional machines. Analyzation of the wind turbine model made in Matlab/Simulink and its subsystems such as DC-DC boost converter and three-phase DC-AC inverter. Description of the commonly used MPPT control techniques such as the method based on the operating characteristic curves and the one based on the fuzzy logic. Finally, use of the perturbations and

observations, p&o method for the simulation in Matlab/Simulink.

PUBLICATION

"Maximum power point tracking (MPPT) in wind turbines with permanent magnets", Thesis Report, Democritus University of Thrace, October 2013.

ACADEMIC PROJECTS

- **January 2016:** Risk analysis of case study: "Shale gas production in Denmark" during the course "Risk and Decision-Making".
- **September 2015 – December 2015:** Analysis of the "IBM Social Business Case" during the course "Technology Economics Management and Organization".
- **September 2015 – December 2015:** Implementing the innovation tool FMEA (Failure Mode and Effect Analysis) in the case study Novozymes during the course "Technology Innovation and Management".
- **October 2011 – January 2012:** Occupational risk assessment in wood stores during the course "Standards – Safety at Work"

ATTENDANCIES

- 2nd and 3rd Electrical and Computer Engineering Student Conference
- ''Digital photography and picture processing'' Conference by IEEE Student Branch of Thrace

COMPUTER SKILLS

Programs: Matlab, Matlab Simulink, Multisim, AutoCad, MS Office

PLC Programming: Ladder Logic, STL

Programming Languages: C, FORTRAN, Python, Pascal, VHDL, GAMS

LANGUAGE CAPABILITY

Greek: Native, **English**: Fluent (C1, State Certificate of Foreign Language Proficiency and IELTS overall 7, 5), **German**: Fluent (Zentrale Mittelstufenprufung in Deutsch (Goethe)), **Danish:** Basic, module 2

PRACTICAL EXPERIENCE

• Service in the Greek Army (Nov 2013-Aug 2014)

HONORS

• Excellence award for five years, Ministry of Education, 2001-2007

ACTIVITIES

Windsurfing, Snowboarding, Travelling, Darts