

## PERSONAL INFORMATION Denis Panxhi



📍 Sheshi “Nënë Tereza”, Nr. 4, Tiranë, Shqipëri

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Gender Male | Date of birth 08 August 1988 | Nationality Albanian

## PROFESSIONAL EXPERIENCE

01/11/2013 - Present Assistant Lecturer

*Department of Automation, Polytechnic University of Tirana, Tirana, Albania*

## EDUCATION

2010 - 2013 Master of Science in Electrical Engineering

University Polytechnic University of Tirana, Tirana, Albania

Thesis title “PID controller design based on root locus techniques”

Advisor Prof. Dr. Petrika Marango

2007 - 2010 Bachelor of Science in Electrical Engineering

University Polytechnic University of Tirana, Tirana, Albania

Thesis title “Transient processes analysis in the main elements of the electrical power system using ATP software”

Advisor Prof. Dr. Rajmonda Buhajjoti

2002 - 2007 High School diploma

School Ali Myftiu, Elbasan, Albania

Specialism Technical institute with specialism in electrical skills

## PUBLICATIONS ON INTERNATIONAL CONFERENCES

- [1] Aulon Shabani, Ajakida Eski, Denis Panxhi, and Orion Zavalani. “Identification of daily patterns in building energy consumption”. Mediterranean Conference on Power Generation, Transmission, Distribution and Energy Conversion. Under publication. Dubrovnik, Croatia, November 12-15, 2018.
- [2] Denis Panxhi, Donald Selmanaj, Matteo Corno, Fabio Todeschini, Sergio Savaresi, Aida Spahiu and Orion Zavalani. “Analysis of a Vibrotactile Actuator for Bicycle Handlebars”. International Conference on Smart Systems and Technologies 2017. Osijek, Croatia, October 18-20.
- [3] A.Shabani, D.Panxhi and O.Zavalani. “Short term building energy consumption forecasting using artificial neural network model”. International Conference of Ecosystem. Tirana, Albania, June 03-06, 2016.

- [4] A.Shabani, O.Zavalani and D.Panxhi. "State of art identification and monitoring methods for electric load in commercial and residential buildings". International Conference of Ecosystem. Tirana, Albania, June 05-08, 2015.

## TEACHING EXPERIENCE

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01/11/2013 - present **Assistant Lecturer - Polytechnic University of Tirana**

- [1] Fundamentals of Automatic Control - undergraduate (B.Sc.) course
- [2] Architecture of control systems - undergraduate (B.Sc.) course
- [3] Industrial Automation - graduate (M.Sc.) course

## INTERNATIONAL EXPERIENCE

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February 2015 - April 2015 **Visiting researcher**

University Polytechnic University of Milan, Milan, Italy

Department Department of Electronics, Information and Bioengineering

I was involved in the analysis of the bicycle dynamics. The activity was focused on the understanding of the bicycle longitudinal dynamics and the design of a brake pressure controller to limit the wheel sleep.

June 2015 - July 2015 **Visiting researcher**

University Polytechnic University of Milan, Milan, Italy

Department Department of Electronics, Information and Bioengineering

I was involved in a research project on the control of low-cost feedback haptic systems for bicycles. The goal was the development of a haptic feedback system that would inform the rider for dangerous braking events. The activity was focused on the design and development of a motor control technique for haptic actuators.

## PERSONAL SKILLS

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**Mother tongue** Albanian

**Other Languages** English, Italian

**Computer and technical skills**

- Microsoft Office
- MATLAB, Simulink
- SIMATIC STEP 7, SoMachine
- Kinetis Design Studio (KDS), Kinetis Motor Suite (KMS)
- MCUXpresso IDE, CodeWarrior
- Freescale microcontroller

## ADDITIONAL INFORMATION

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**Driving licence** B

**Waiver** Authorization to personal data storage according to Albanian Law 9887/2008.