

# CURRICULUM VITAE



## PERSONAL DATA

Name: **CORNEA**  
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Date of birth: March 24, 1971  
Place of birth: Deva  
Citizenship: Romanian  
Civil state: Single  
Languages: English  
Profession: Electrical Engineer, Lecturer.

## EDUCATION

1985-1989: "Decebal" College Deva (mathematics-physics)  
1990-1996: student at Faculty of Electrical Engineering, "Politehnica" University of Timisoara, Romania  
1996: Diploma of Electrical Engineer, "Politehnica" University of Timisoara, Faculty of Electrical Engineering.  
1997: Master of Sciences Diploma, "Politehnica" University of Timisoara, Faculty of Electrical Engineering.  
2007: Ph.D. Thesis, "Politehnica" University of Timisoara. Faculty of Electrical Engineering.

## UNIVERSITY ACTIVITIES

1. Teaching activities: Seminars and laboratory supervising for Power Electronics, Microcontrollers and DSPs, Utilisation of Electrical Energy, etc.
2. Scientific activities: Modeling, Simulation and Testing of Switched Reluctance Motor Drives, Digital Control of Switched Reluctance Motor Drives; Modeling, Simulation and Design and Control of Small Power DC-DC Converters.

Scientific researcher in Grants:

1. *Variable Frequency Electrical Drives with DSPs* 39401/115 CNCSIS.
2. *EE-VERT Energy Efficient Vehicles for Road Transport FP7* 218598/2008.
3. *Improvement of the Structures and Efficiency of Small Horizontal Axis Wind Generators with Non-Regulated Blades* RO 018/2009. (EU and Norwegian Government funding).
4. *Microgrid integrated small power renewable energy hybrid systems* - 2012, PCCA 36/2012, PN-II-PT-PCCA-2011-3.2-1519.
5. *Scientific study on a PV Inverter*, research contract between Diehl AKO Stiftung & Co. KG, Germany and "Politehnica" University of Timisoara. 2012-2013.

3. Experience at other universities:

Stipendiumprogram Ost, TU Muenchen, Germany, January 2004 – September 2004.

**PUBLICATIONS:** More than 30 conference papers (subject: Modeling, Simulation and Control of Switched Reluctance Motor Drives and Modeling, Simulation and Control of DC-DC Converters).

Timisoara, March 23<sup>th</sup>, 2015

Octavian Cornea