

Dr. Sc. NYSRET AVDIU



Member of Board / Anëtar Bordi

Contact information / Kontakti:

Official Adress / Adresa zyrtare:

rr. Hamdi Mramori nr.1

10000 Prishtina

Tel: ++381 (0) 38 247-615 ext 126

Fax: ++381 (0) 38 2247-620

e-mail: nysret.avdiu@eumik.org

nysretavdiu@gmail.com

Privateadres / Adresa private:

St. "Radovan Zogovic" #3,
Prishtinë, Kosovë

Tel: ++377 44 277-681

QUALIFICATIONS: Power Electrical Engineering

1. PERSONAL DETAILS

Date of Birth: May 17, 1953 Prishtinë, Kosova

Nationality: Albanian

Marital Status: Married, 3 children

Wife's Occupation: Physician

Contact information:

Postal Address:

Home: "Radovan Zogovic", (ex- Metohia) #.3 10000 Prishtinë Kosovë ,

Office: ■ **University of Prishtina, Faculty of Electrical and Computer Engineering,**
Department of Power Electrical Engineering, Room-704, St. "Kodra e Diellit", p.n.
Prishtine Kosove

■ **Energy Regulatory Office** ; Hmadi Mramori street 1, 10000 Prishtine Kosove

Tel (office): ++381 38 247-615 ext 126

(private): ++377 44 277 681

Fax: ++381 38 247-615

E-mail: nysret.avdiu@eumik.org;
nysert.avdiu@fiek.uni-pr.edu,
Nysretavdiu@gmail.com

2. EDUCATION:

1994: Ph. D. University of Prishtina, School of Electrical Engineering, Former Yugoslavia Kosova, (3.5 years)

(due to the conflict in Former Yugoslavia Ph.D. start at University of Zagreb, Croatia and finished at University of Prishtina, Kosova).

Field: Power Electrical Engineering, Dynamics of Electrical Machines and Drives

1983 M.S. University of Zagreb, Croatia, Former Yugoslavia, (2 years).

School of Electrical Engineering,

Field: Power Electrical Engineering, Electrical Machines, Transformers, Dynamics of Electrical Machines, Electrical Testing and Measurements)

1971-1976 BS University of Prishtina, Technical Faculty, School of Electrical Engineering- Department Electro-energetics, Kosova (5 years).

1966-1970 High Grammar School in Prishtina, Kosova, Former Yugoslavia (4 year)

1999 Certificate of Proficiency in Sector Methodology: Sector approach to small enterprise program, CARE USA, Kosova

1971-1973 Faculty of English language and literature, University of Prishtina, Kosova, Fomer Yugoslavia (not finished).

3. PRINCIPAL AREAS OF RESEARCH INTERESTS AT THE UNIVERSITY AND INDUSTRY

**POWER ELECTRICAL ENGINEERING;
REGULATORY AND MARKET ISSUES;
ELECTRIC POWER SYSTEMS, POWER PLANT;**

**ELECTRICAL MACHINES AND TRANSFORMERS AND ELECTRICAL DRIVE SYSTEMS;
APPLIED ELECTROMAGNETIC;
POWER ELECTRONICS (PWM).**

4. ABSTRACT OF ACADEMIC, PROFESSIONAL, SCIENTIFIC AND INDUSTRIAL EXPERIENCE:

2005 to present: **Professor,**
University of Prishtina, Kosova,
Faculty of Electrical and Computer Engineering,
Power Electrical Engineering: Industrial Energetic and Electro-Energetic Systems.
Teaching course: undergraduate and postgraduate
Courses: Electrical Machines, Transformers and Direct Current Machines, Induction Machines and Synchronous Machines, Dynamics of Electrical Machines.
Supervisors of many M.S and Ph.D. thesis.

2001 **Research Associate Post-doctorial Fellowship**
McGill University, Department of Electrical and Computer Engineering Montreal (Quebec) Canada H3A 2A7
Topics:
Power Electrical Engineering,
Power Electronics,
Electrical Machines,
Electrical Drives

INDUSTRIAL EXPERIENCE:

1982-1989 *Been many times member of commission for license of factories in Kosova (former Yugoslavia).*

AWARDS, SCHOLARSHIPS AND HONORS:

1985, **Visiting Scientist,** McGill University, School of Electrical Engineering, Montreal Canada
Topics:
Power Electrical Engineering, Electrical Machines,
Applied Electromagnetic, Electrodynamics, Power Systems.

JOINT RESEARCH PROJECTS WITH KOSOVA INSTITUTIONS (1980-1990)

(1980-1990)

Financed from Institutions for Science of Kosova, Prishtinë:

1. Title of Project: "Two side supply of induction machines" University of Prishtina, Kosova School of Electrical Engineering, Prishtine 1989
2. Title of Project: "Influence of excitation systems in transient stability of electrical power system" University of Prishtina, Kosova School of Electrical Engineering, Prishtine 1987

PROFESSIONAL SOCIETIES AND ACTIVITIES:

1978-1992 Member of CIGRE: ex-Yugoslav Society-group of Electrical Machines
member of JUKEM: ex-Yugoslav Committees for Measurements.

1995-2000 ■ Due to the conflict in Kosova i have worked as second job in with the ngo and un agencies: WHO-UN, IMC-USA, CARE International, Kinderberg-Germany etc. Positions: Program development officer (CARE), administrator, Office Manager, etc. Good knowledge in Finance, Procurement, administration, etc.

■ **2002-2003 CONSULTANTS BV SITUATED IN AMESFOORT NETHERLAND**, office in Prishtina, *KIRP-Kosovo Irrigation Rehabilitation Project, funded by EAR*. Under direction Team Leader overall technical responsibility for surveys, planning and design of all irrigation sub-projects, Overall technical responsibility for construction supervision and ensuring contractual obligation are fulfilled. Give the opinion to Team Leader regarding the complex Contractors engineer's designs, specification, manuals etc. Preparation of tender documents; prepare of Tender Documents for rehabilitation of irrigation system Iber-Lepnc Kosova: Pump Stations and Weir Stations, 35 kV and 10 kV High Voltage Transmission System; Tender documents for Communication system: Electrical Design Works. Participate in the review of bidding documents for irrigation sub-projects, Participate in the evaluation of contractors bid proposal for irrigation sub-projects and advise on the selection of contractors and suppliers, Overall technical responsibility for construction supervision and ensuring contractual obligation are fulfilled, Managing the projects as representative of Project Manager. Prepare job description and recruit local inspectors and site supervisors, Working with selected contractors, ensure that bid proposal are implemented as agreed and that all appropriate working drawings and documentation are produced in a timely and satisfactory manner, Performs administrative tasks related to execution of the rehabilitation works,keep records of testing

5. COMPUTER SKILLS:

Operating Systems:

DOS, Windows3.11/95/98 NT; WINDOWS 98/XP , Unix

Hardware Expertise: IBM Compatibles PC's, fax modem, digital cameras, scanners and other hardware peripherals;

Programming Languages: Fortran, MAPLE, MATLAB, basic knowldege C++

Application Software: PSCAD (power system computer aided design), package for simulation: TUTSIM, CASPOC (basic knowledge), etc.;

Microsoft Office-word 2000, Excel, Word Perfect, Corel, Photoshop etc. Developed documents, spreadsheets, presentations etc., and publishing experience.

Internet Knowledge: familiar with Internet explorer, Netscape navigator/communicator etc.

6 SUPEVISOR (MENTOR) of many M.S and PH.D. thesis:

1. *Title of M.S. thesis:* "Switching of small inductive currents", University of Prishtina, Kosova School of Electrical Engineering, Prishtine 1994
2. Associate with supervisor: *Title of Ph.D. thesis:* "Influence of excitation system in transient stability of synchronous generators" University of Prishtina, Kosova School of Electrical Engineering, Prishtine 1994
3. *Title of M.S. thesis:* University of Prishtina, Kosova , School of Electrical Engineering, Prishtine "Vector control of asynchronous motors" 2000
- 4.

7 PUBLICATIONS:

Scientific Papers:

1. **"Një metodë numerike për llogaritjen e potencilait dhe fushës magnetike në rastin e n-sferave"** Nysret Avdiu, Revista Elektroekonomia e Kosovës, XEMK Prishtinë 84, nr.1-2
2. **"Analiza e karakteristikave dinamike të motorit asinkron trefazor kur furnizohet me tensione josimetrike dhe josinusoidale"**, Nysret Avdiu, Revista ELEKTROEKONOMIA e Kosovës XEMK Prishtinë 1984 nr.3.
3. **"Një metodë për llogaritjen e koeficientit të Carterit në makina elektrike"**, mr.Nysret Avdiu, Bilten i punimeve, Fakulteti Teknik në Prishtinë 1985.
4. **"Analiza e procesit kalimtar të shkyçjes dhe rikyçjes së motorit asinkron kafaz në rrjetë"**, B.Pula, N.Avdiu. Bilten i punimeve, Fakulteti Teknik, Prishtinë 1985.
5. **"Modelimi matematikor dinamik i motorit asinkrone qe perفشine ngopjen magnetike"**, N.Avdiu, A.Abazi, Bilten i punimeve shkencore FET #4 1994, Prishtine
6. **"Modelimi matematikor i proceseve kalimtare elektromekanike te ngasjeve elektromotorike me motor asinkron"**, N.Avdiu, Bilten i punimeve shkencore FET #4 1994, Prishtine
7. **"Nje model matematik i ndikimit te sistemit te eksitimit te gjeneratorit sinkron ne stabilitetin tranzient te sistemit elektroenergjetik"**, G.Pula, N.Avdiu, A.Abazi, Bilten I punimve shkencore FET nr. 5 1996, Prishtine
8. **PULSE WIDTH MODULATION: "Naturally Sampled Triangle Carrier PWM Bandwidth Limit Output Spectrum"** Isabel Deslauriers, Nysret Avdiu, Boon Teck Ooi, IECON 02, 28 Annual Conference **IEEE Industrial Electronics Society** Seville Spain Nov 5-8 2002
9. **"Përcaktimi i Ndikimit të Koeficientit të Sforcimit të Sistemeve të Rregullimit të Eksitimit në Stabilitetin Tranzient të Sistemit Elektroenergjetik"**, Dr.inxh.G. Pula, Dr.inxh.N. Avdiu, Dr.inxh.A. Abazi, Konferenca Elektroenergjetike Vjetore e Shqipërisë, Tiranë, 2004
10. **"Problematika dhe Trendet e Zhvillimit të Sistemeve të Eksitimit të Gjeneratorëve të Medhenje Sinkron – Zëvendësimi I Sistemeve Klasike të Eksitimit në TC Kosova A me Sisteme Ridrejtuese Tiristorike"**, Dr.inxh.G. Pula, Dr.inxh.N.Avdiu Konferenca Elektroenergjetike Vjetore e Shqipërisë, Tiranë, 2004
11. **Naturally Sampled Triangle Carrier PWM Bandwidth Limit Output Spectrum"** Isabel Deslauriers, Nysret Avdiu, Boon Teck Ooi, **IEEE Transaction on Power Electronics** January 2005
12. **"Modeling of Transient Electromechanical Processes in Electrical Drives with Induction Motors and Mechanical Elastic Elements"**. Nysret Avdiu, Shaban Buza, 9th International Research Conference" Trends in the Development of Machinery and Associated Technology" **TMT 2005, Antalya Turkey**
13. **INTERNATIONAL CONFERENCE on SHIP PROPULSION AND RAILWAY TRACTION SYSTEMS**, BOLOGNA – ITALY 4-6 October 2005, Nysret Avdiu, Shaban Buza, Gazmend Pula, **"Modeling of Transient Processes in Electrical Drives with Induction Motors and Mechanical Elastic Elements"**.
14. **"Kosovo: Prospective Developments in Power Generation"**, Nysret Avdiu, Nick Frydas 6TH **Balkan Power Conference**, Ohri Macedonia, 31 May-2 June 2006

15. **“Kosovo: Construction of New Generation Capacity Proposal of Procedure”**, Nysret Avdiu, **IEEE-ISIE 2006 Conference, Montreal Canada, 9-13 July 2006**
16. **“Influence of parameters on electromechanical transients of electrical drives with elastic elements”**, Nysret Avdiu, Shaban Buza, 10th International Research/Expert Conference “Trends in the Development of Machinery and Associated Technology” TMT 2006, 11-15 September, **2006, Lloret de Mar, Spain.**
17. **“Dynamics of Mechanical Aggregate of Transitional Regime”**, Xh.Perjuci, Sh.A. Buza, N.Avdiu, 10th International Research/Expert Conference “Trends in the Development of Machinery and Associated Technology” TMT 2006, 11-15 September, **2006, Lloret de Mar, Spain,**
18. **“Radial Loads in Bearings of the Optimized Electromotor”**, Sh.A.Buza, K.A.Buza, F.Radoniqi, N.Avdiu, 10th International Research/Expert Conference “Trends in the Development of Machinery and Associated Technology” TMT 2006, 11-15 September, **2006, Lloret de Mar, Spain.**
19. **“Dynamic Modeling of Electromechanical Vibrations in Induction Motor Drives Including the Elasticity of the Mechanical Transmission System”**; Nysret Avdiu, Shaban Buza. **IEEE PEDES-2006, International Conference on Power Electronics, Drives and Energy Systems for Industrial Growth-2006, New Delhi, India 12-15 December 2006.**
20. **“Kosovo: How to address the environmental requirement and climate change”** N.Avdiu, **IEEE-International Conference on Clean Electrical Power ICCEP - Capri, May 2007(accepted abstract)**

AUTHORED TEXTBOOKS:

1. **MAKINA ELEKTRIKE III-Përmbledhje detyrash të zgjidhura**, Mr.Vukic Dj., Avdiu N., Prishtinë 1981, Fakulteti Teknik, Dega e Elektroteknikës, dispencë
2. **Makina Elektrike III** (pjesa e dyte), *Regjimet Dinamike ne Makina Elektrike*, Fakulteti I Elektroteknikes 1986, Dispence per nevoja te studenteve te vitit te IV drejtimi I Energjetikes
2. **Shqyrtimet e makinave Elektrike**, *Manuel per ushtrime laboratorike*, Fakulteti i Elektroteknikes Prishtine 1998.
3. **Makina Elektrike 1, Transformatori, Pëmbledhje detyrash**, Dispence 1997 Fakulteti i Elektroteknikes ne Prishtine.
4. **Makina Elektrike 1, Makinat e Rrymes se Vazhduar, Pëmbledhje Detyrash**, Dispence, Fakulteti i Elektroteknikes ne Prishtine 1997.
5. **TRANSFORMATORËT , Prishtinë 2005, Dispence**
Fakulteti i Inzhinerise Elektrike dhe Kompjuteriuke Universiteti i Prishtines,
Branch: SEE dhe EI, si dhe SHLT Mitrovicë. (According to the ECTS)

8. LANGUAGE

Fluency in English, Serbian and Albanian, oral and written. Understand Russian.