CURRICULUM VITAE

1. BIOGRAPHIC DATA:

Name and first name**:** **PETROPOL-ŞERB Gabriela Dana**

Birth date and place: 22nd of October 1967, Craiova

Nationality: Romanian

Civil status: married, one child.

2. GYMNASIUM AND HIGH SCHOOL STUDIES:

Institution	Middle school no. 31, Craiova	"Nicolae Bălcescu" High School of Mathematics and Physics, Craiova
Period:	1974-1982	1982-1986
Degrees or diplomas		High School Diploma

3. ACADEMIC STUDIES:

Institution	University from Craiova, The Faculty of Electrical Engineering	University from Craiova, The Faculty of Electrical Engineering	University from Craiova, The Faculty of Electrical Engineering
Period:	October 1986 – July 1991	October 1999 – July 2001	October 2000 – July 2001
Degrees or diplomas	Engineer degree	Master's degree	Post-academic studies degree- Technological Education

4. PhD student:

Fundamental field: Engineering sciences

Field: Electrical engineering

Thesis title: *Contributions for establishing the performances of asynchronous traction motor*.

Scientific leader: Professor Engineer Aurel CÂMPEANU, PhD

5. SPECIALIZATIONS:

23th of April – 27th of July, 2007 – participation in the trainers practitioners specialization in "**Motor cars design engineering**", organized by Université de Technologie de Compiègne, in partnership with Renault group.

6. PROFESSIONAL EXPERIENCE:

Period:	September 1991- August 1996	September 1996-August 1999	September 1999-September 2002	October 2002 – up to present
Place:	Craiova	Craiova	Craiova	Craiova
Institution:	Civil Engineering School Complex	Chemistry School Complex	Railway Transports School Complex	The University from Craiova, The Faculty of Engineering in Electromechanic, Environment and Industrial Informatics
Function:	Tenured engineer professor	Engineer professor of second degree	Engineer professor of first and second degree	Lecturer

7. PAPERS DRAWN-UP AND/OR PUBLISHED (attach the list of the papers**):**

 - 24 papers (attached to the CV)

8. MEMBER OF PROFESSIONAL ASSOCIATIONS:

- Member of A.G.I.R.;

- Member of S.R.A.I.T.

9. FOREIGN LANGUAGES:

- English,

- French.

10. OTHER SKILLS:

- Matlab, LabViwe, MathCAD, AutoCAD users,

- C++ programming,

- MS Office users.

11. EXPERIENCE FROM OTHER NATIONAL/INTERNATIONAL PROGRAMS:

Program/Project	Function
Scientific research contract, 6th theme, CNCSIS, nr.33062/2004, code CNCSIS 312. *Specific operating regimes and fenomens of the synchronous machines in deformed regime*	Joint member
Scientific research contract, 6th theme, CNCSIS 312, nr. 34677/2005 *Estimating and validating the parameters and characteristics of synchronous machines under the conditions of bending status.*	Joint member

Scientific research contract, 6th theme, CNCSIS, act ad. GR 155/2006, tema nr. 6, cod CNCSIS 312 *Theoretical reasearch and experiments regardind the determination of the performances of synchronous generators in deformed regime*	Joint member
IDEE type Grant, Competition 2007, 75p. *Group of programs for optimizing the design of small and middle powered electrical machines supplied from static convertors*	Joint member
Proposal for A type grant, CNCSIS Competition 2006, 92p. *Aspects regarding the electromagnetic compatibility of driving systems with variable reluctance synchronous engines*	Joint member
A type Grant, CNCSIS Competition 2007 *Power quality and electromagnetic compatibility of driving systems with reluctant synchronous engines*	Joint member

12. OTHER REMARKS:

I do hereby declare that all the aforementioned data are true.

Fill-in date: Signature
22.09.2009

LIST OF SCIENTIFIC PAPERS

1.	**Petropol-Şerb Gabriela,** Petropol-Şerb Ion	*Starting in configuration of a virtual laboratory of electrical machines*, Chişinău, SIELMEN, Volume II, 2003, ISBN 9975-9771-1-1, p.279-282.
2.	**Petropol-Şerb Gabriela,** Petropol-Şerb Ion	*Simulation the Dynamic of the Induction Machines by using the Software of Matlab*. Cluj-Napoca, Acta Electrotehnica, Volume 44, Number 3, 2004, ISSN 1224-2497, p.21-25.
3.	Vlad I., Enache S., **Petropol-Şerb Gabriela**	*Energetic Aspects About the Operation of the Engines of D.C. Feeds by the Static Inverters*. Cluj-Napoca, Acta Electrotehnica, Volume 44, Number 3, 2004, ISSN 1224-2497, p.107-111
4.	**Petropol-Şerb Gabriela,** Petropol-Şerb Ion	*Models of the synchronous machine and their numerical calculation.*3th International Conference on Electrical and Power Engineering - EPE 2004, Iasi, România, 7 - 8 october 2004, pp.1323 - 1328, ISSN 1223-8139
5.	**Petropol-Şerb Gabriela,** Petropol-Şerb Ion	*Magnetostatics applied gradually to the simulation of the magnetic field of synchronous machine.* Proceedings of the XIVth International Symposium on Electrical Apparatus and Technologies – SIELA 2005, volume 1, Plovdiv, Bulgaria, June 2 – 3, 2005,pp.166–171,ISBN 954-90209-4-0
6.	**Petropol-Şerb Gabriela,** Petropol-Şerb Ion	*Simulation of synchronous machine's sudden symmetrical short-circuit by using the software of Matlab.* 5th International Conference on Electromechanical and Power Systems – Chisinau 2005, October 6-8, pp. 859 – 862, ISBN GEN: 973-716-208-0.
7.	A. Campeanu, T. Ambros, **Petropol-Şerb Gabriela**	*Considerations on the determination of the asynchronous characteristic of the salient pole synchronous machine. A review.*5th International Conference on Electromechanical and Power Systems – Chisinau 2005, October 6-8, pp. 12 – 15, ISBN GEN: 973-716-208-0.
8.	Vlad I., Enache S., **Petropol-Şerb Gabriela**	*Considerations on deformed regime for direct current motors feed by static inverters.* Proceedings of the XIVth International Symposium on Electrical Apparatus and Technologies – SIELA 2005, volume 1, Plovdiv, Bulgaria, June 2 – 3, 2005,pp.225–230,ISBN 954-90209-4-0
9.	**Petropol-Şerb Gabriela,** Petropol-Şerb Ion	*Management of manufacture applied in the repair of asynchronous machine* International Conference on Integrated Engineering – C2I 2005, Timisoara, 16-18 October, pp. 83-85, ISBN 973-625-259-0.
10	Ion VLAD, Sorin ENACHE, **Gabriela PETROPOL-**Şerb	*Use of numerical methods in the study of magnetic fields for alternative power machines* – Buletinul Universităţii Petrol – Gaze, Ploieşti, 2006, pp. 289 – 294, ISSN 1224-8495
11	*Gabriela PETROPOL-ŞERB*, *Aurel CÂMPEANU*	*Computational models of the asynchronous machine by using the software of Matlab. The first order model of the asynchronous machine* – Buletinul Universităţii Petrol – Gaze, Ploieşti, 2006, pp. 181 – 186, ISSN 1224-8495

12	I. PETROPOL-ŞERB, Gabriela PETROPOL-ŞERB	*Computational models of the asynchronous machine by using the software of Matlab. Third order model-EPE 2006-* Buletinul Institutului Politehnic din Iaşi, 2006, Tomul LII(LVI), pp. 401-406, ISSN 1223-8139
13	Gabriela Dana PETROPOL-SERB, Ion PETROPOL-SERB	*Modelling the sedimentation process in a wastewater treatment system*, Analele Universităţii din Craiova, 2007,ISSN 1842 – 4805, p. 348-351.
14	Aurel CÂMPEANU, Gabriela Dana PETROPOL-SERB, Ion PETROPOL-SERB	*Non transient process at the oscillations with large amplitudes*, Analele Universităţii din Craiova,2007, ISSN 1842 – 4805, p. 150-153
15	Gabriela Dana Petropol-Serb, Ion Petropol-Serb , Aurel Campeanu and Anca Petrisor	*Using GUI of Matlab to create a virtual laboratory to study an induction machine*, EUROCON 2007, Proceedings, IEEE Catalog Number: 07EX1617C, ISBN: 1-4244-0813-X, p. 2355-2360
16	Sonia Degeratu, Anca Petrisor, Gabriela Tont , Nicu George Bizdoaca , Gabriela Petropol Serb	*Some Investigations on Insulation Systems for the Three Phased Induction Motors*, EUROCON 2007, Proceedings, IEEE Catalog Number: 07EX1617C, ISBN: 1-4244-0813-X, p. 1879-1883
17	Anca Petrişor, Nicu George Bîzdoacă, Sonia Degeratu, Adrian Drighiciu, Gabriela Petropol Serb, s.a.	*Control Strategy of a 3-DOF Walking Robot*, EUROCON 2007, Proceedings, IEEE Catalog Number: 07EX1617C, ISBN: 1-4244-0813-X, p. 2337- 2342.
18	GABRIELA Petropol Serb, ION Petropol Serb, AUREL Campeanu, ANCA Petrisor, SONIA Degeratu	*Virtual Laboratory in the Engineering Education*; New aspects of engineering education, Proceedings of the 5th WSEAS / IASME International Conference on Engineering Education (EE'08), ISBN: 978-960-6766-86-2, ISSN:1790-2769, pg. 99-104
19	Petropol Serb Gabriela, Petropol Serb Ion, Campeanu Aurel, Sonia Degeratu, Anca Petrisor	*Study of the sudden symmetrical short-circuit using mathematical models of synchronous machine and the numerical methods*, EPE PEMC 2008, Proceedings, IEEE Catalog Number: CFP0834A-CDR, ISBN: 978-1-4244-1742-1
20	Petrisor Anca, Bizdoaca Nicu George, Drighiciu Adrian, Diaconu Ilie, Degeratu Sonia, Petropol Gabriela s.a	*Stable States Transition Approach - a new strategy for walking robots control in uncertain environments* – ISI Proceedings of the 4th International Conference on Informatics in Control, Automation and Robotics, ICINCO'08, 11-15 May, 2008, Funchal, Madeira, Portugal, Volume RA 1, pp. 202-207, ISBN 978-989-8111-31-9 (http://scientific.thomson.com/products/proceedings/)
21	Petrişor Anca, Bîzdoacă Nicu	*Implementation of the Stable States Transition Control Algorithm for a four free joints Walking Robot*– WSEAS

George, Adrian, Sonia, Gabriela, Raducu	Drighiciu Degeratu Petropol Petrisor	Transactions on Systems and Control Journal, august, 2008 (ID 31-398).