CURRICULUM VITAE

I . Personal data

Name: VASILE

Surname: LILIANA

Date of birth : 11 July 1962

Place of birth : Craiova, jud. Dolj

Nationality: romaine

Marital status: married

Home: B-ul 1 Mai, bl. 26, sc. 2, ap. 2, Craiova, Dolj, 1100 România

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II. Education

1. Secondary

1977 - 1981 High School Gymnasium high school brothers and Buzeşti, Craiova, Dolj region

1969 - 1977 Primary classes Şcoala Generală nr. 1, Craiova, Dolj region

2. University Degree

1981 - 1986 Studies at the Department of Automation and Computers Faculty of Electrical Engineering, University of Craiova;

3. Postgraduate Studies

2002-2004 – Master Automation - Faculty of Automation, Computers and Electronics - University of Craiova

2003-2010 – PhD - Specialty Technical Field Automation - Faculty of Automation, Computers and Electronics - University of Craiova

III. Certifications

Graduation Diploma course**:**

- Operating Systems: UNIX, Oracle database**;**
- **PLC : SIEMENS SIMATIC S -7**

- FOUNDATIONS Measurement of thermography, infrared thermal imager**.**
- Internal Auditor in Quality Management System **ISO 9001-2000**
- Internal Auditor in Environmental Management System **ISO 14001-2004**
- Management of risks, safety and quality in assembly work, industrial technology equipment - fire safety requirements
- Checker certified installation works projects for machinery, industrial equipment and technological installations in areas **EA40-41,403, EA41, DL31,DL32,DL33-333– MEC, A0456**

Languages

	Reading	Speaking	Writing
English	well	very well	well
Franch	well	well	well
Russian	satisfactory	satisfactory	satisfactory

IV. Proffesional Experience

- **Octomber 2005 – till now**

AUTOMATIC SYSTEMS Craiova nr. 2 Street Narciselor Craiova

Occupation – Director

- achieving promotion and development strategy of the company
- organization and coordination of company
- market study and analysis of suppliers and customers
- organizing, coordinating and verifying implementation of engineering works and application software
- pursuit of economic operations,
- budget management
- **July 2005 - octomber 2005 - AUTOMATIC SYSTEMS Craiova**

Str. Narciselor nr. 2 Craiova

Occupation - engineer Automatizări şi Calculatoare;

- Development of automation projects and works in combination, and hydroelectric power stations using equipment such as: PLC, industrial computers, digital controllers, sensors and smart sensors and automatic data acquisition systems in industrial processes.
- Development of application software for building automation

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- **2002- 2005 -** ICEMENRG CRAIOVA - nr.1 Street. Gh. Bibescu Craiova

Occupation – Head of Laboratory Automation and Computer;

- organization and coordination of team
- market study and analysis of suppliers and customers
- organizing, coordinating and verifying implementation of engineering works

- **1989- 2002**

ICEMENRG CRAIOVA

No 1 Street Gh. Bibescu nr.1 Craiova

Occupation - engineer Laboratory Automation and Computer;

- Development and cooperation in various works on automation combined hydro and thermal power plants using equipment such as: PLC, industrial computers, digital controllers, smart sensors and transducers, recorders and automatic data acquisition systems in industrial processes.
- Development of application software for building automation
- Creating database software

- **1986-1989**

Chemical Drobeta Village Halânga Severin
Occupation - engineer Automation engineer-intern
- quantitative and qualitative reception automation equipment
- Phase II tracking automation investment

IV. Scientific activity

- Member of the Scientific Technical Committee Endorsement ICEMENERG Craiova 1992
- President of Technical Commission for approving Automatic Systems Craiova from 2005
- Deputy Head of Branch AAIR - Association for Automation and Instrumentation in Romania - Craiova from 2003.

Among the most important scientific results obtained mention the following :

1. Automation

I participated in the approval of the following products:
- Output voltage indicator 000-400 V (IT)
- Output accumulator battery charging device (DIB)
- Realization of valve position transducer (TPV)

I coordinated the implementation of automation team following work:

1. Integration of the DH system telemechanics electrical and technological parameters of the HPP GOVORA HA1,Automation of on-off process in a distributed system hidroagergat type PLC equipment to HA1 CHE Drăgăşani SP, SG, SH Valcea
Automation of on-off process in a distributed system hidroagergat type PLC equipment to HA1 Govora CHE, SH Valcea
Making monitoring and automation of all process parameters from a single hydropower equipment PLC: CHE Govora, SH Valcea

2. Making monitoring process parameters in a single PLC hydropower equipment: Integration of SCADA system monitored parameters: CHE Draganesti SH Slatina
3. Stations and water-cooled 2 TRAFO 63MVA of the Iron Gates II
4. Measuring electric installation at upstream and downstream from Yugoslavia extra CPU remotely transmitted Yugoslavia Central Base
5. Realization of the movement control system to lock the floating bolarzilor Iron Gates
6. Installation for the calculation and monitoring of steam and enthalpy and heat supplied to the RAAN Drobeta Turnu Severin ROMAG TERMO
7. Auomatizare Modernization of pumps to drain cap on the block I to IV Iron Gates II UHE
8. Transmission quality indicators of environmental factors in the rapid flow and environmental events over the network PC by ROMAG RAAN Drobeta Turnu Severin TERMO the environmental monitoring station Drobeta Turnu Severin
9. Modernization installation bolts breaking lock-unlock and lock rotor AD-HG10 HG9 Gogosu CHE, SH Iron Gates
10. Marking this ship in the lock gates and determination limit gauge lock convoys of ships and the Iron Gates I
11. Modernization as reservoirs of hydraulic oil level in the operating lock gates and valves Flat Iron Gates I
12. Automation pump lock epuisment Iron Gates I
13. Monitoring, remote transmission and SCADA system integration of technological parameters of the HPP Rm.Valcea HA2
14. Monitoring debt levels DAESTI CHE, CHE Raureni, BABENI CHE, CHE ZAVIDENI, Ionesti CHE, CHE DRAGASANI
15. Measuring and monitoring plant replacement hair clogging the net and associated grills HA1-10 at the Iron Gates II UHE
16. Making a hydro thermal control Strejesti River HPP
17. Making water flow treated as RAAN Drobeta Turnu Severin ROMAG TERMO
18. Danfoss flow measurement loop realization ROMAG RAAN Drobeta Turnu Severin TERMO
Nineteen. Study on systematization, tracking, recording and signal thresholds for the parameters of a hydro fiabilizarii Kaplan in the supervisory function and protection - the practical Ipotesti CHE, SH Rm Valcea
20. Study on systematization, tracking, recording and signal thresholds for the parameters of a hydro fiabilizarii bulb to function in surveillance and protection - the practical Ipotesti SH Rm Valcea Olt
21. Modernization loop automatic tuning of a hydropower facility ventilation Iron Gates II
22. Renewing the hydrogen production Isalnita Craiova FE
23. Achievement level measurement and monitoring of demineralized water tanks ROMAG RAAN Drobeta Turnu Severin TERMO
24. Modernization of the supervision and monitoring of the Iron Gates II hidragregat
25. Ultrasonic Level Measure water reservoirs dedurizartă, clarified, neutralized RAAN Drobeta Turnu Severin ROMAG TERMO
26. System systematization, monitoring, recording and marking thresholds for a bulb-type hydro - thermal control, CHE Ipotesti River
27. Preventive maintenance computer network ROMAG TERMO RAAN
28. Study and realization of the solution by ultrasonic measure levels upstream, downstream, clogging the grates, CHE Valcea
29. Achievement measure wastewater flow in open channel RAAN Drobeta Turnu Severin ROMAG TERMO
30. Measurements by thermal imager, diagnostic TRAFO Iron Gates II, is Rovinari, Bucharest, Baia Mare, Suceava, Vaslui
31. Automated monitoring and protection for the coal conveyor RAAN Drobeta Turnu Severin ROMAG TERMO - MENER Program

32. Possibilities of application of control systems for boilers ProControl P 420t / h SE Turceni
33. Acquisition and transmission in order to monitor and balance performance measures the conductivity of the chemical department RAAN Drobeta Turnu Severin ROMAG TERMO
34. Study reception counter automation substations CBC
35. Study on SWT connected equipment protection facilities 2000D ST area
36. Study on SWT connected equipment protection facilities 2000D ST near Pitesti
37. EU secondary capture automation Latorica Lotru
38. Integration and installation of 220V DC 24V to HPP Râureni own monitoring system
39. Air flow monitoring levels CHE Valcea
40. Strejesti HPP dam modernization.
41. CHE Monitoring and Automation T63MVA Strejesti.
42. Turnu CHE Monitoring and automation;
43. Designing and implementing data acquisition system for on-line monitoring of turbine oils Govora CHE;
44. Computer Network Maintenance in ROMAG TERMO SEVERIN,
45. Monitor all process parameters and process automation-Off of the HPP Govora HA1;
46. Csy. Measuring electrical installation at upstream and downstream from the central Yugoslav additional PF II;
47. Calculation and monitoring of boiler heat enthalpy of the RAAN ROMAG TERMO SEVERIN;
48. Study solution for plant modernization and automation of the measuring station on the block epuisment cap (cap drainage turbine) from UHE PF II;
49. Automation Modernization turbine-breaking column bolts to the HPP PF II;
50. Upgrading of the drainage pumps, automatic lid-II Block, III, IV, UHE PF II;
51. Upgrading of the drainage pumps, automatic lid Gogoşu Central Block;
52. RK-implementation monitoring process parameters for Drăgăneşti HA3;
53. Study insurance to avoid accidents at industrial railroad corridor on the PFI unit;
54. Measurement and Automation Modernization stood epuisment block drainage cap lid turbine
55. Automation epuisment pump head lock PF intermediate I;
56. Able level in the tank modernization drive hydraulic lock gates and valves PF I flat head and head downstream intermediate;
57. Preparing documentation SF, PT CS CAP DE for Reengineering work 220/110 kV 20 kV from the Citadel
58. Refurbishment facilities 220/110/20 kV station MT ST Turnu Magurele Bucharest PT, DDE, As-built
59. Automation and monitoring services work to themselves and general services CHE Călimăneşti HA1
60. Preparing documentation SF, PT, DDE to work Power supply EC headquarters Turnu Severin
61. Automation and monitoring work to themselves HA1 services and general services CHE Valcea
62. Design services - electrical upgrade station and control room "Development Project - Modernization of 0.4 kV station - OC2N OC1N"
63. Intervention Project for rehabilitation works and modernization drive systems automation and monitoring fire pump station
64. Command and Control System Modernization 220kV/110kV Tg protection. Jiu
65. 220/110kV Grove Station Modernization
66. Modernization of electric ST, ST Pitesti, Sibiu ST, ST Bucharest
67. HPP General Services Automation and monitoring Arceşti
68. Automation and monitoring work to themselves HA1 services and general services Călimăneşti CHE,
69. Monitoring technological parameters facility 63MVA transformer cooling
70. Automation and monitoring work to themselves HA1 services and general services CHE Valcea
71. HA Circuit stop at WD defective or missing supply voltage PLC

72. Monitoring vacuum valves drain con CHE Valcea
73. Plant automation related cogeneration unit Donau Chem Turnu Magurele

2. Studies, Research and Development

Coordinate and / or responsible for:

- Comparative study between the solutions used in hydroelectric automation systems in heritage-HIDROELECTRICA Hidroelectrica SA
- Study on the scheme side equipment to automate the capture, monitoring their SA-HIDROELECTRICA
- Study considering mounting a river flow measuring equipment for transmitting data to the dispatcher Olteț
- Application integration measure levels / flows in Tg Dispatcher SCADA system. Jiu
  Review the possibility of replacement cells HPP 6.3 kV 6.3 kV Slatina in CHE cells Rusănești

2. Design

Coordination work :

1. Automation and monitoring HPP dam Turnu - River
2. Automation and monitoring HPP dam Valcea - Olt
3. Automation and monitoring HPP dam Strejesti - River
4. Automation and monitoring HPP dam Poiana Rusca - White River
5. REPLACEMENT HPS 130MVA LN2 TRAFO Bradisor cabinet, transformer Petrimanu SP, SP Jidoaia, SP Lotru-Aval, CHE Malaia
6. Automation and monitoring work HA1 own services and general services CHE Rm HA2 own services and general services CHE Băbeni
7. LN4 PUMP STATION MODERNIZATION FOR THE CHE BABENI BISTRIȚA
8. HPP flow monitoring installation levels MALA
9. SF using optical fiber communication systems in power stations of Bucharest ST Fundeni case study station
10. As application integration levels / flows in the SCADA system dispatcher
11. Feasibility Study and specifications for metering, monitoring and dispatching of heat delivery from Govora
12. Feasibility study for hydropower plant modernization Turceni
13. Parameter setting and getting software to control individual RLFP closet power units to provide ancillary services (block 1,3,4,5,6 and 7)
14. Upgrading technological protections associated power units 1 and 2 "
15. Automation and monitoring work HA1 own services and general services CHE Călimănești
16. Automation and monitoring work HA1 own services and general services CHE Dăești
17. Comparative study between the solutions used in hydroelectric automation systems Hidroelectrica heritage.
18. Study on the Scheme side abstraction equipment for monitoring / automation of their
19. Modernisation of station equipment 20 kV SF Alba Iulia, PT, CS
20. Mounting teleprotectii in adjacent stations in South SF Bucharest 400/220kV substation power station, PT
21. Rehabilitation system for monitoring operating parameters of the water network - the City
22. 110kV station CHE Modernization LN4 Rm, LN4 Govora CHE Modernization 110kV station
23. Feasibility Study - Rehabilitation of water Isalnita

VI. Participation in conferences, symposia, seminars

1. National Energy Conference - CNE Neptun, Romania -
editions 1994, 1996, 1998, 2000, 2002, 2004, 2006, 2008, 2010;
2. Biannual Exhibition of Industrial Electronics, MicroElettronica 2000, Vicenza, Italy
3. Industrial Energy National Conference with International Participation, CNEI 2005, Bacau, Romania
4. 12th Symposium A.A.I.R. (Association of Automation and Instrumentation in Romania) in September 2004, Mamaia, Romania
5. 13th Symposium A.A.I.R. (Association of Automation and Instrumentation in Romania) in September 2005, Bucharest, Romania
6. 14th Symposium A.A.I.R. (Association of Automation and Instrumentation in Romania) in September 2006, Bucharest, Romania
7. 15th Symposium A.A.I.R. (Association of Automation and Instrumentation in Romania) in September 2007, Bucharest, Romania
8. 16th Symposium A.A.I.R. (Association of Automation and Instrumentation in Romania) in September 2008, Bucharest, Romania
9. 17th Symposium A.A.I.R. (Association of Automation and Instrumentation in Romania) in September 2009, Bucharest, Romania
10. National Symposium of Computer Science, Automation and Telecommunications Energy SIE-Sinaia, October 2008
11. National Symposium of Computer Science, Automation and Telecommunications Energy SIE-Sinaia, October 2009
12. Industrial Energy National Conference with International Participation, CNEI 2009, Bacau, Romania
13. Paul Dorin Hidroenergeticienilor Conference, 6th - 2010, Bucharest, Romania

Experience in different programming environments

***Operation Sytems*: Microsoft Windows 98®, Microsoft Windows 2000 Profesional®, Microsoft Windows NT®; Microsoft Windows XP®; UNIX;**

Programming algorithms and data structures;

General Programming Languages: Pascal, C, C++, Visual Basic, etc.

SIEMENS SIMATIC Step –7, ProTool, WinCC, Win CC Flexible

GE Fanuc - Cimplicity Machine Edition, PLC Developer, PC Developer, View,

CBREEZE for Windows95,98,NT,200,XP

Database Programming Languages: Dbase; FoxPro, Paradox,Turbo Pascal

Working: Corel 10; AutoCAD 2005; AutoLISP; MATLAB; Simulink

MS Office 2000® : Word, Excel, Access;

Papers published

•Calculation and monitoring of enthalpy and heat to a boiler heat Liliana Vasile, Nicola Marcel, Catalin Veninatu, Measurement and Automation, year III 1 / 2003
• System monitoring, command and control process parameters for hydro HA1 - Govora Constantin Ciobanu, Vasile Liliana Chelu Cristian
Measurement and Automation, year III 3 / 2003

• Monitoring the flow of electrical conductivity and reservoirs of water treatment plants from thermo chemical Liliana Vasile, Cristian Chelu, Petre Alexandru, Measurement and Automation, year III 6 / 2003
• Marking gauge overcome this ship and the lock gates of Iron II
Constantin Ciobanu, Mircea Adrian, Vasile Liliana, automation and instrumentation, year XII 3 / 2003
• Monitoring, command and control to a Kaplan hydro Petre Alexandru, Constantin Ciobanu, Liliana Vasile, Cristian Chelu, automation and instrumentation, year XII, 5 / 2003
• Home automation and monitoring of pump station epuisment Gogoşu Iron Gates II
Measurement and Automation, year XII, 5 / 2003
• Automation of the cooling system of hydroelectric power transformers
Measurement and Automation, year XII, 6 / 2003
• Output system supervisory and control to a Kaplan hydro Constantin Ciobanu, Liliana Vasile, Cristian Chelu FOREN 2004 Olimp Neptun
• Evidence of metrology devices for measuring and monitoring Petru Alexandru, Marcela Pirvu, Liliana Vasile Catalin Veninatu, automation and instrumentation, number 4 / 2004
• Surveillance and control of coal conveyor belts Barry sails, Dan Ancuta, Petre Alexandru, Liliana Vasile, automation and instrumentation, number 5 / 2004
• Upgrading the national power systems of devices for automatic release of the Reserve AAR Chelu Cristian, Liliana Vasile, Nicolae Marcu, Oil and Gas Journal, December 2004
• sets and uninterruptible power supplies in Power System
Barry sails, Peter Alexander, Liliana Vasile, CNE 2004
• rational use of hydropower potential by controlling the flow discharged
Liliana Vasile, Constantin Ciobanu, Cristian Chelu CIEM 2005
• Monitorization And Control System For A Flow Of The Draind Hydroenergetic Dam
Liliana Vasile, Constantin Ciobanu, Cristian Chelu CNEI 2005
• Monitoring and automation system cooling medium and large power transformers Constantin Ciobanu, Cristian Chelu, Liliana Vasile, Peter Alexander
Automation and instrumentation, new series 3 / 2006
• Control flow discharged from a hydroelectric dam Liliana Vasile, Constantin Ciobanu, Catalin Veninatu, Nicolae Marcu automation and instrumentation, new series 4 / 2006
• Monitoring system integrated with online data transmission via GSM Constantin Ciobanu, Mark Nicholas, Liliana Vasile, automation and instrumentation, new series 5 / 2006
• Governance structures can be implemented in a Hydropower Dam
Liliana Vasile, Constantin Ciobanu, Cristian Chelu CIEM 2009
• Rehabilitation of water Isalnita Petre Alexandrru, Michael Christescu, Liliana Vasile, Cristian Chelu, automation and instrumentation, new series 3-4/2009
• Tracking water network operating parameters Timisoara Peter Alexander, Liliana Vasile, automation and instrumentation, new series 1 / 2009
• Calculation of power frequency parametilor the local setting Constantin Ciobanu, Cristian Chelu, statescu Paul Vasile Liliana, automation and instrumentation, new series 1 / 2010
Drive Motors • Synchronization to stave off a hydroelectric dam spillway at
Liliana Vasile Constantin Ciobanu,
Paul Dorin Hidroenergeticienilor Conference May 2010
• Alutus - integrated management for hydro Liliana Vasile, Constantin Ciobanu, Petre ALEXANDRU - Paul Dorin Hidroenergeticienilor Conference May 2010
• LOCAL ADJUSTMENT OF FREQUENCY-POWER WHAT TURCENI
Constantin Ciobanu, Cristian Chelu, Statescu Paul, Vasile Liliana
FOREN Neptun Olimp Romania, June 2010