

ALBERTO COVACHO GONZÁLEZ (21/09/1986)

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EDUCATION

DEGREE IN AUTOMATIC AND ELECTRONIC ENGINEERING.

- School of Engineering ESIDE, UNIVERSITY OF DEUSTO (Bilbao, Spain).

Sept. 2007 – Sept. 2009.

- School of Technical Engineering UNIVERSITY OF VALLADOLID (Valladolid, Spain).

Sept. 2009 – Sept. 2013.

COMPLEMENTARY EDUCATION

- Computer Aided Three-Dimensional Interactive Application **CATIA V5 (Sketcher, Part Design, Assembly Design and Drafting)** course at UNIVERSITY OF VALLADOLID (60 hours).

2013.

- **PCB WIZARD** course for printed, single or double layout circuits design. Schematic drawing, conversion circuit, component tracks and report about materials.

2012.

- **Microbotics and Microelectronic** course at ESIDE, UNIVERSITY OF DEUSTO (45 hours).

2008.

WORK EXPERIENCE

- **Researcher at the University of Valladolid area of manufacture** with regard to **KBE “Knowledges based engineering”** applied to Lean Manufacturing using tool such as: TPM equipment reliability, Standar work, **Value stream mapping**, SMED, FMEA, Kaizen, 5’s visual management, kanban demand pool...)

2013.

- **Practical experience at FRENOS Y CONJUNTOS S.A.** in the Maintenance-Production Department. Skills played:

- **Establishment of preventive, predictive and corrective maintenance. Indicators creation and data analysis with study results** (Excel program). Design of technician work instructions and maintenance plan.

- Management teamwork, status meeting and brain storming with the other departments of the Factory.

- Expense account analysis, sales assistant, management and material internal audit, stock control, gathering with suppliers and subcontractors. **Actions plans: design and monitoring.** Introduction of **Lean manufacturing, Kaizen method and 5S workplace** organization method: Sorting, Straightening, Systematic Cleaning (shine), Standardize, Sustain.
- **Data acquisition, monitoring and control** with **SCADA systems** in **Open/close loop, design and control some alerts**, control about generation, transport and distribution of **chemical or electrical process**.

2011-2012.

- **Scholarship holder at ESIDE, UNIVERSITY OF DEUSTO in the Industrial Automatic Department.**

- **Automatic lab supporter** with **Industrial Automation** students: **Neumatic , Electroneumatic**, Electric, **PLC programming and Ethernet** with **Siemens Simatic S5/S7 300**. Storage battery (**loading and transfer**), operations with **timers, counters**. Skip operations. **Arithmetic operations (comparasion, conversion, move and rotation. Analog signal about processing interrupts and asynchronous errors.**

2007-2009.

COMPUTER SKILLS

- Advanced programming skills in **MATLAB** (Math Program).
- Extensive knowledge of **SIMULINK, PSPICE, LAB-VIEW**, Electronic Circuit Simulation and Digital Control.
- Ample ability programming PIC16F886/887 with **MPLAB**.
- Extensive experience of **SOLID EDGE** computer design program.
- **C/C++** programmer and **LINUX** user.
- Advanced level in **OFFICE** package.
- Design of printed circuit board (**ORCAD, PROTEUS, PCB WIZARD, Kikad**).
- Programming capabilities in **SCADA Software (CUBE, Lookout, WIN CC)**.

LANGUAGE SKILLS

- **English** (B2 level).
- Summer Exchange Programs in Ireland and Great Britain.

OTHER INFORMATION

- European driving license.
- **Final Project Degree:** Full Management of industrial maintenance. **Qualification: Honour Degree 9.7**
- Proactive, creative and cooperative attitude. Sociable and great skills for teamwork.
- Willingness to relocate worldwide.