



LLUIS DIAZ-GUERRA
Director of BLUMANO

Lluís is an electronic engineer and a functional safety professional certified by TUV-Süd with a Master of Science degree in automatic control and robotics.

He has been a control system engineer and a R&D team manager for leading manufacturers of automation systems. Lluís has brought forth products from the design concept stage to become fully implemented solutions on the market.

He is also a member of the Spanish Association for Standardisation, UNE, and is a part of the entertainment-industry technical bodies, CTN 311 and CEN/TC 433.



lluis.diaz-guerra@blumano.com



blumano.com



BLUMANO Limited
Unit 222, 241 Ferndale Rd,
London SW9 8BJ, UK

CONFERENCES



Speaker | ITEAC Conference | London 2018
Raising the Standards: A look at emerging standards and the effects that they will have on the event industry.

PUBLICATIONS



Adaptive control algorithm for improving power capture of wind turbines in turbulent winds
2012 | American Control Conference (ACC) | http://vbn.aau.dk/files/73428171/acc_2012_4.pdf

Integración de dispositivos físicos en un laboratorio remoto de control mediante diferentes plataformas: Lab-view, Matlab y C/C++
2010 | ISSN: 1697-7912. Vol. 7, Núm. 1 | <https://www.sciencedirect.com/science/article/pii/S1697791210700054>

Collaboration in: Virtual/Remote Laboratory to illustrate the Internal Model Principle for periodic signals
2009 | 8th IFAC Symposium on Advances in Control Education, Kumamoto, Japan | <https://core.ac.uk/download/pdf/41769730.pdf>

QUALIFICATIONS



Functional Safety Certified Professional (FSCP)
ISO 13849, IEC 62061, IEC 61508, Functional Safety Management | TUV-Süd

Master Thesis Field of Study Intelligent and Autonomous Systems | Aalborg Universitet, Denmark

Master of Science in Automatic Control and Robotics | Universitat Politècnica de Catalunya

Bachelor in Electronics Engineering | Universitat Politècnica de Catalunya

EMPLOYMENT TIMELINE

- Present**
Nov 2018 | **Director** | BLUMANO Ireland Ltd
International organisation of engineering services for machinery and structures in theatre, stages and studios. StageDB online documentation tool.
- Present**
Jan 2017 | **Director** | BLUMANO Limited
Functional safety and electrical safety analysis, compliance and approvals of control systems used in the entertainment industry.
- Jun 2017**
Aug 2015 | **Founder and Director** | Copinya Limited
Development of custom software and hardware solutions, including custom functional safety integration (SIL/PLI) for the entertainment industry.
- Oct 2015**
Dec 2012 | **R&D Team Manager**
Head of Software
Product development team manager.
Design and development guidelines of new software products for the entertainment industry.
- Dec 2012**
Jun 2011 | **Embedded Software Developer** | Kinesys Projects Limited
Development of embedded products and PC applications.
- Jun 2011**
Jan 2011 | **Control Systems Engineer** | Onzo Limited
Prototyping of new domestic products, smart thermostats and smart meters.
- Aug 2010**
Sep 2009 | **Wind Turbines Researcher** | Alstom Power
Research on control algorithms for improving power capture on turbulent wind and gust conditions for wind turbines.
- Jul 2009**
Oct 2008 | **Remote Lab, IOC** | Universitat Politècnica de Catalunya
Implementation of Remote Laboratories (Repetitive Control, Resonator Control, Nonlinear Identification).
- Mar 2008**
Jan 2008 | **Engineer Internship** | Bitron
Diesel valve prototypes.