



**LLUIS DIAZ-GUERRA**  
Director of BLUMANO

Lluís is an electronic engineer and a functional safety professional certified by TÜV-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.

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### CONFERENCES



**Speaker** | ITEAC Conference | London 2018  
Raising the Standards: A look at emerging standards and the effects that they will have on a 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](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 | TÜV-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 ● **Director** | BLUMANO Limited  
Functional safety and electrical safety analysis, compliance and approvals of control systems used in the entertainment industry.
- Jun 2017 ● **Founder and Director** | Copinya Limited  
Development of custom software and hardware solutions, including custom functional safety integration (SIL/PI) for the entertainment industry.
- Oct 2015 ● **R&D Team Manager** | Kinesys Projects Limited  
Dec 2012 **Head of Software**  
Product development team manager.  
Design and development guidelines of new software products for the entertainment industry.
- Dec 2012 ● **Embedded Software Developer** | Kinesys Projects Limited  
Jun 2011 Development of embedded products and PC applications.
- Jun 2011 ● **Control Systems Engineer** | Onzo Limited  
Jan 2011 Prototyping of new domotic products, smart thermostats and smart meters.
- Aug 2010 ● **Wind Turbines Researcher** | Alstom Power  
Sep 2009 Research on control algorithms for improving power capture on turbulent wind and gust conditions for wind turbines.
- Jul 2009 ● **Remote Lab, IOC** | Universitat Politècnica de Catalunya  
Oct 2008 Implementation of Remote Laboratories (Repetitive Control, Resonator Control, Nonlinear Identification).
- Mar 2008 ● **Engineer Internship** | Bitron  
Jan 2008 Diesel valve prototypes.

