

Dr. Daniel Gonzalez Santamaria

Postdoctoral Researcher

School of Chemical Engineering

Contact details

Telephone +44 (0) 121 414 5080 (tel:+44 121 414 5080)

Email d.gonzalez@bham.ac.uk (mailto:d.gonzalez@bham.ac.uk)

School of Chemical Engineering
University of Birmingham
Edgbaston
Birmingham B15 2TT
University of Birmingham
Edgbaston
Birmingham
B15 2TT
UK



About

Daniel Gonzalez is an Electrochemical Engineer with more than 10 years of experience in the development of materials and components for fuel cells and batteries in the frame of private projects.

Presently he is involved in the development and characterization of corrosion protective coating for bipolar plates inside the STAMPEM European funded project.

Qualifications

MSc in Innovation and Technology management by Deusto University in 2003
MSc in Industrial Engineering by University of Basque Country (EHU/UPV) in 2002

Biography

Daniel Gonzalez got a 5 years engineering degree in the university of the Basque Country in 2002. At that moment he started to work in the surface engineering department of the Spanish RTD Inasmet where he was granted to join a Master degree in Innovation and Technology Management by Deusto University, which was finalized in 2003.

Along more than 10 years of experience in the R&D he took part in more than 20 private projects for Spanish Industries in the field of fuel cells and surface engineering. In 2011 he moved to the Energy Storage Department of Tecnia where he worked intensively in advanced battery technologies.

Since 2013 he works in the School of Chemical Engineering of Birmingham University developing and characterizing corrosion protective coating for BPP of PEMFC.

Research

RESEARCH THEMES

- Corrosion resistant coating for BPP
- Fuel Cell and battery materials
- Intrinsically conductive polymers
- Thin film coatings by plasma processes
- Dry tribology
- Surface Engineering

RESEARCH ACTIVITY

- Corrosion resistant coating for BPP
- Fuel Cell and battery materials

Publications

- Evangelina De Las Heras, Daniel Gonzalez Santamaria, Alberto Garcia-Luis, Amado Cabo, Marta Brizuela, Gabriel Ybarra, Norma Mingolo, Sonia Bruhl, Pablo Corengia "Microstructure and Wear Behavior of DC-Pulsed Plasma Nitrided AISI 316L Austenitic Stainless Steel" Plasma Process. Polym. 2007, 4, S741–S745
- E. De Las Heras, D.A. Egidi, P. Corengia, D. Gonzalez-Santamaria, A. Garcia-Luis, M. Brizuela, G.A. López, M. Flores Martinez "Duplex surface treatment of an AISI 316L stainless steel; microstructure and tribological behaviour" Surface & Coatings Technology 202 (2008) 2945–2954
- Alberto Garcia-Luis, Pablo Corengia, Daniel Gonzalez-Santamaria, Marta Brizuela, Iñigo Braceras, Nerea Briz, Patxi Azpiroz, Victor Bellido-Gonzalez, Sarah Powell "Synthesis and Characterization of Plasma-Polymerized HMDSO Films Using an Ion Gun Inverse Magnetron Source" Plasma Process. Polym. 2007, 4, S766–S770
- J. I. Oñate, M. Brizuela, J. L. Viviente, A. Garcia-Luis, I. Braceras, D. Gonzalez and I. Garmendia "MoSx lubricant coatings produced by PVD technologies" Transactions of the Institute of Metal Finishing 2007 VOL 85 NO 2

