

Carlos Javier Obando Gamboa

• 1500 E Broadway Rd – Tempe AZ 85282 • email: cobandog@asu.edu • Phone: 206 5364670

EDUCATIONAL EXPERIENCE

Arizona State University Ph.D. (c). in Civil, Environmental and Sustainable Engineering	Tempe, USA Fall, 2018 – Spring 2022
Universidad de Los Andes Master's Degree in Civil Engineering - Road Infrastructure	Bogotá, Colombia March, 2012
Universidad de Nariño Postgraduate Degree with a major in Construction Companies Management Bachelor's Degree in civil engineering	Pasto, Colombia December, 2007 March, 2004

TEACHING EXPERIENCE

Agrarian University Foundation of Colombia – UNIAGRARIA Director of Civil Engineering Department	Bogotá, Colombia June 2015 – March 2018
University Corporation Minuto de Dios - UNIMINUTO Assistant Professor. Civil Engineering Faculty	Bogotá, Colombia February 2012 – Jun 2015
District University Francisco Jose De Caldas Lecturer. Civil Engineering Faculty	Bogotá, Colombia July 2013 – Jun 2015
University of Nariño Undergraduate TA - Pavement's laboratories. Civil Engineering Faculty	Pasto, Colombia January 2003 – June 2003

RELEVANT PROFESSIONAL EXPERIENCE

Commercial and Projects Manager - Compañía Colombiana de Construcción - COD S.A <ul style="list-style-type: none">Manage, coordinated and administrated processes aimed to diversify the scope of the Company.	Bogotá, Colombia March 2013 – April 2015
Consultant - BE Arquitectura S.A <ul style="list-style-type: none">Designed of the road net <i>CELPA</i>, a project of transport infrastructure developed for Buenaventura port.	Bogotá, Colombia June 2012 – January 2013
Head of Engineering and Development Division - S&J Full Services LTDA <ul style="list-style-type: none">Design and control projects to construct structures for the Petroleum Sector	Bogotá, Colombia September 2010 – February 2013
Controller - Caja Colombiana de Subsidio Familiar – COLSUBSIDIO <ul style="list-style-type: none">Manage and evaluate projects technically and administratively	Bogotá, Colombia February 2010 – September 2010
Project Coordinator - Desarrollo en Ingeniería – DIN S.A <ul style="list-style-type: none">Coordinate the roads construction of the project entitled Plan 2500, Group 67	Ipiales and Bogotá, Colombia January 2006 – January 2010
Consultant - Pasto Mayorality <ul style="list-style-type: none">Manage and implement geotechnical studies	Pasto, Colombia April 2005 – July 2005

RELEVANT PUBLICATIONS AND PATENTS

Introducing the critical aging point (CAP) of asphalt based on its restoration capacity. Construction and Building Materials, US. ISSN: 0950-0618.

DOI: 10.1016/j.conbuildmat.2021.122379

How acid rain affects the mechanic performance of pavement materials. Investigación e Innovación en Ingenierías, Barranquilla (Col) ISSN: 2344-8652

DOI: 10.17081/invinno.5.2.2761

Physical and mechanical characterization of the sterile part of coal, searching for an environmental alternative in civil infrastructure works. Investigación e Innovación en Ingenierías, Bq. (Col) ISSN: 2344-8652 DOI: 10.17081/invinno.6.2.3109

U.S. Patent for a method to estimate the "Thermal Conductivity of Viscoelastic Materials", Attorney Docket No.: 22193-0272P01 / M21-091P-PR1. 2021

Disclosure, Technology ID M21-205P "Silica-based Modified Bituminous Binders and Mixtures (aMBx)"

COMPUTER SKILLS

AutoCAD Civil 3D, Python, MathLab, R studio, ArcGIS, Microsoft Office, Microsoft Project, Corel Draw

RELEVANT AWARDS AND SCHOLARSHIPS

• First Overall Place Student Poster Competition 17th Arizona Pavements/Materials Conference	Tempe, AZ November 2020
• Dr. Matthew W. Witczak Scholarship Arizona State University	Tempe, AZ November 2019
• Fulbright Scholarship - Intensive English Course University of Washington	Seattle, WA March 2018 – August 2018
• Fulbright Scholarship - Ph.D Studies Arizona State University	Bogotá, Colombia August 2018 – August 2022