

Joan M. Blanco

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Objective: To seek a full time position as a geoscientist in an oil and gas multidisciplinary team.

SUMMARY OF QUALIFICATIONS

- Graduate student capable of integrating different types of geophysical and geological data to yield robust interpretations.
- Strong leadership, teamwork, problem solving, and organizational skills.
- Ability to work in a cross-disciplinary knowledge sharing environment.
- Excellent communication skills. Fluent in English and Spanish. Intermediate level of Italian.
- **Migratory Status:** under F-1 visa, eligible for CPT and OPT.

EDUCATION

Ph.D. in Geophysics

University of Houston, Houston, Texas, USA.

GPA 3.59/4
Jan. 2016 (expected)

Dissertation: "From basin to reservoir: tectonic and stratigraphic study of La Vela Bay and Gulf of Venezuela offshore basins and the onshore Falcón basin, Western Venezuela" Advisor: Dr. Paul Mann

- Interpretation of seismic transects and well correlation for a general tectonic understanding of Gulf of Venezuela, La Vela and the onshore Falcon basins.
- Structural and stratigraphic interpretation of 3D seismic, integrated with well data, seismic inversion and other attributes for characterizing the main reservoirs of La Vela Basin (Socorro Fm., and Cauderalito Mbr.)

M.Sc. in Earth Sciences Geosciences applied to Petroleum Exploration

Universidad Simón Bolívar, Caracas, Venezuela.

GPA 4.9/5
Dec. 2012

Thesis: "Fracture characterization of a naturally fractured reservoir using seismic attributes" Advisor: Dr. Crelia Padrón

- Fracture detection and characterization in terms of density, orientation, and length, using structural seismic attributes integrated with well data. Identification of four main fracture families that respond to the different tectonic pulses the area had experienced.
- Identification of anomalous low frequency zones after seismic spectral analysis and establishing relationships between those anomalies and the presence of hydrocarbons, using initial production data.

Geophysical Engineering

Universidad Simón Bolívar, Caracas, Venezuela.

GPA 4.32/5
Mar. 2008

EXPERIENCE

Graduate Research Assistant University of Houston

Aug. 2013 – Present

Graduate Teaching Assistant University of Houston

Geological field methods

Jan. 2013 – May 2013

Instructor Universidad Simón Bolívar

Courses: Reservoir Characterization, Seismic Methods in Exploration I & II, and Seminar.

May 2011 – Dec. 2012

Teaching Assistant Universidad Simón Bolívar

Courses: Petroleum Geology, Seismic Methods in Exploration II, Geophysical Applications of Digital Filters, General Geophysics.

Sept. 2008 – May 2011

Summer Internship Schlumberger Information Solutions, Venezuela

GeoFrame 4.4 Charisma Data Loading & Data Management and Seismic Interpretation

July - Sept. 2010

Summer Internship Solid State Physics Laboratory, Universidad Simón Bolívar

Dielectric and Magnetic characterization of samples from Monagas, Venezuela

July – Sept. 2006

Member of the UH-Earth and Atmospheric Sciences Graduate Student Committee

Jan. 2014 – May 2015

Member of the SEG Committee of University and Student Programs (CUSP) Sept. 2010 - Present
- Chair of the Student Chapter Excellence Subcommittee. Feb. 2013 - Present
Co-organizer of the SEG project of merit: MUNGeos/USB Field Camp in the Venezuelan Andes Feb. 2010

PUBLICATIONS

Blanco, J.M., P. Mann, and L. Nguyen, 2015, *Location of the suture zone separating the Great Arc of the Caribbean from continental crust of northwestern South America inferred from regional gravity and magnetic data*, in C. Bartolini, V. Ramirez, L. Ardila, and M. Ramirez, eds., *Petroleum Geology and Potential of the Colombian Caribbean Margin*, American Association of Petroleum Geologists Memoir 108, in press.

Costanzo-Álvarez, V., M. Aldana, G. Bayona, D. López-Rodríguez, and J.M. Blanco, 2012, *Rock magnetic characterization of early and late diagenesis in a stratigraphic well from the Llanos foreland basin (Eastern Colombia)*: Geological Society, London, Special Publications, 371.

ABSTRACTS AND SYMPOSIA

Blanco, JM., and P. Mann.
La Vela Bay, Offshore Falcon Basin, Western Venezuela: Eastern Extension to the La Perla Carbonate Reservoir Trend. AAPG Denver, USA. June 2015

Blanco, JM., Mann, P., and P. Bartok. Sept. 2013
Subsurface Structure, Stratigraphy and Hydrocarbons of the Falcón Basin: An Inverted, Hydrocarbon-bearing Rift Basin in Western Venezuela. AAPG ICE, Cartagena, Colombia.

Blanco, JM., Padrón, C., and H. Contreras. May 2013
Fracture Identification and Analysis Using Seismic Attributes in Carbonate Reservoirs: Cimarrona Formation, Middle Magdalena Valley Basin, Colombia. AAPG Pittsburgh, Pennsylvania, USA.

Blanco, JM., Carrillo, E., Durán, E., Peralta, A., and T. Piercey Dec. 2011
Estudio de geofísica somera en Los Andes venezolanos: una experiencia en las alturas. Presented at the First Venezuelan Geosciences Congress. Caracas, Venezuela.

Blanco, JM., Costanzo-Alvarez, V., Suárez N., Aldana, M. and Campos, C. Sept. 2009
Dielectric and rock magnetic studies of a Cretaceous stratigraphic section in western Venezuela (Río Santo Domingo). Presented at the First Biennial Workshop of the Latin-American Association of Paleomagnetism and Rock Magnetism (LatinMag)

SOFTWARE

Seismic interpretation: Petrel, IHS Kingdom, and Hampson-Russell. Potential field data analysis: Oasis Montaj. Basic programming: Fortran/MatLab. Mapping and statistical analysis software using geographic information systems (intermediate level)

ACHIEVEMENTS

BP Scholar for Outstanding Graduate Work in Geosciences May 2015
Milton B. Dobrin Scholarship for Outstanding Student in Geophysics Apr. 2014
Second place at the SEG Gulf Coast Regional Challenge Bowl Mar. 2014
SEG/Exxon Mobil Student Education Program (SEP) Oct. 2009
SEG/Chevron Student Leadership Symposium (SLS) Sept. 2007

MEMBERSHIPS

Society of Exploration Geophysicists (SEG).
President of the SEG - Universidad Simón Bolívar Student Chapter (2007-2009)

American Association of Petroleum Geologists (AAPG)
Secretary of the AAPG Wildcatters for the 2014-2015 term.
Outreach Chair of the AAPG Wildcatters for the 2013-2014 term.

Association for Women Geoscientists (AGW) Lone Star Chapter
Student representative (2015-present)