EDGAR GIOVANI MARTÍNEZ-MENDOZA

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Objective: Pursue an InterPore Student Travel Award to attend the InterPore 10th Annual Meeting and Jubilee.

Research Interests:Pore-scale modeling, pore network models, flow and transport phenomena, image processing, percolation theory in displacement processes, low salinity waterflooding.

EDUCATION

Universidad Nacional Autónoma de México   *2016-Current*
M.Sc. in Modeling
Advisor: Dr. Martín A. Díaz Viera, mdiazv@imp.mx, mdiazv64@yahoo.com.mx
Expected to graduate in July 2018

Universidad Nacional Autónoma de México   *2011-2016*
B.Sc. in Petroleum Engineering
Graduated with Honors
Overall GPA: 9.19/10

EXPERIENCE

Thesis Student   2015-2016
Mexican Petroleum Institute   *Mexico City*

· Developing my undergraduate thesis: "*Pore network models for obtaining effective flow and transport properties in petroleum reservoirs*". Directed by Dr. Martín A. Díaz-Viera

Field Practice   August 2014
Petróleos Mexicanos (PEMEX)   *Unidad de Perforación Comalcalco*

· Drilling

Field Practice   December 2013
Petróleos Mexicanos (PEMEX)   *Unidad de Perforación Reforma-Ciudad PEMEX*

· Drilling

Field Practice   July 2013
Petróleos Mexicanos (PEMEX)   *Unidad de Perforación Litoral*

· Drilling

COMPUTER SKILLS

Languages	Python, Matlab, C++, Visual Basic
OS	GNU/Linux, Windows
Software	Inkscape, Gimp, Paraview, ImageJ, LaTeX

LANGUAGES

Spanish	Mother tongue
English	Upper Intermediate

ORAL PRESENTATIONS

"Comparative Study of Pore Network Modeling Software for the Characterization of Porous Media: OpenPNM and PoreFlow", Fourth Annual Meeting of Mexican Chapter of InterPore, November 2017.

"Methodology for Porous Media Characterization at Pore Scale through Pore Network Modeling", Third Annual Meeting of Mexican Chapter of InterPore, October 2016.

"Methodology for Obtaining Effective Flow Properties Employing a Pore Network Model", AIPM Technical Conferences, October 2015.

GIVEN WORKSHOPS

"Visual Basic 6.0 for petroleum engineering students", Faculty of Engineering, Universidad Nacional Autónoma de México, March 2014.

COURSES

C++ Intermediate *January 2016*
Computational Technology Program (PROTECO)

MOOC Oil and Gas: From Exploration to Distribution *June 2015*
Institute Français du Pétrol

Geological Modeling with PETROMOD *July 2014*
Schlumberger

Advanced Drill Bit *April 2014*
Baker Huges

Introduction to PETREL *May 2013*
Schlumberger

EXTRACURRICULAR

- Member of the Student Society of Petroleum Engineers, 2013-2014
- Support in the Technical Program of CMP 2014
- Fundación TELMEX Scholar

SOCIETIES

- International Society for Porous Media
- Society of Petroleum Engineers
- American Association of Petroleum Geologists
- Earth-Science Modeling Group