Carlos A. Romano-Pérez |

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Education

M.Sc in Petroleum Engineering
National Autonomous University of Mexico (UNAM), GPA 9.2/10 — *2016 – current*

B.Sc in Petroleum Engineering
National Autonomous University of Mexico (UNAM), GPA 8.5/10 — *2009 – 2014*

Associate of Computer Science
Vocational-Technical High School (CBTis), GPA 8.7/10 — *2005 – 2008*

Experience

Thesis Scholarship
Additional Recovery Management, Mexican Petroleum Institute (IMP) — *9/2014*

Field practice: Drilling Engineering
Operative unit Comalcalco, Mexico Oil Company (PEMEX) — *12/2013*

Field practice: Petroleum Production Engineering
Operative complex Samaria - Luna, Mexico Oil Company (PEMEX) — *8/2013*

Field practice: Special Topics
Offshore platform Ku-Sierra - FPSO Yuum Kak Naab, Mexico Oil Company (PEMEX) — *6/2013*

Field practice: Introduction to Drilling Engineering
Operative unit Poza Rica, Mexico Oil Company (PEMEX) — *1/2013*

Courses

EORt
Schlumberger, School of Engineering, UNAM — *8/2016*

Python Programming Course
Chemical and Metallurgical Engineering Students Society, School of Chemistry, UNAM — *6/2016*

Numerical Simulation with Eclipse - Petrel/RE
Schlumberger, School of Engineering, UNAM — *1/2016*

High-Performance Scientific Computing
Mathematical and Computational Modelling Group, Geophysics Institute, UNAM — *1/2015*

Petrel Introduction Course
Schlumberger, School of Engineering, UNAM — *10/2013*

Oral presentations

Presentations

10/2015: Discrete Fracture Models to Simulate Single Phase Flow in Naturally Fractured Porous Media, AIPM Technical Conference 2015, Mexico City, Mexico

Posters

4/2017: Flow Model to Simulate Fluid Flow through Fractured Porous Media by Finite Element Method,VII Earth Sciences Convention: Oil and Gas Congress - Special Session: Developments and Applications of Porous Media in Geosciences, Havana, Cuba

2/2017: A Finite Element Discrete Fracture Model to Simulate Fluid Flow through Fractured Porous Media, SIAM Conference on Computational Science and Engineering 2017, Atlanta, Georgia

10/2016: Discrete Fracture Model to Simulate Fluid Flow through Fractured Porous Media, 3rd Annual Meeting of the Mexican Chapter of InterPore 2016, Mexico City, Mexico

10/2015: A Comparison of Discrete Fracture Models for Single Phase Flow in Porous Media Using COMSOL Multiphysics Software, COMSOL Conference 2015, Boston, Massachusetts

Computer Skills

Languages: C/C++, Python, MATLAB, Fortran, Visual Basic

Software: ECLIPSE, OPM, ResInsight, FEniCS, COMSOL Multiphysics, Petrel, LaTeX, Libre Office

OS: GNU/LINUX, Microsoft Windows, Mac OS

Publications

10/2015: A Comparison of Discrete Fracture Models for Single Phase Flow in Porous Media Using COMSOL Multiphysics Software, Romano-Pérez C. A., Diaz-Viera M.A., COMSOL Conference, Boston, 2015.

Languages

Spanish: Native

English: Fluent

German: Beginner

Swedish: Beginner

Professional Society Membership

InterPore: International Society for Porous Media

SPE: Society of Petroleum Engineers

ESMG: Earth-Science Modelling Group

Interests

- Modelling of Flow and Transport Processes in Fractured Porous Media
- Numerical Reservoir Simulation
- Naturally Fractured Reservoirs
- Numerical Methods