ANH PHUONG NGUYEN
Email: nphuonganh@gmail.com

EDUCATION

2008 – present	**PhD in Chemical Engineering** University of Texas at Austin, USA Overall GPA: 3.81/4.0 Dissertation title: Enhancement of Capacitance Resistive Model (CRM) for Primary, Secondary and Tertiary Oil Recovery Advisors: Dr. Larry W. Lake & Dr. Thomas F. Edgar
2004 – 2008	**Bachelor in Chemical Engineering**, **First Class Honor** Universiti Teknologi Petronas, Malaysia Overall GPA: 3.85/4.0 Thesis title: Modeling and Simulation of Methanol Reactor Using Finite Different Method (collaborate with PETRONAS Methanol Labuan, Malaysia) Advisor: Dr. Suzana Yusup

RESEARCH AREA

Modeling, simulation, forecast and optimization of oil reservoir

System identification, linear and nonlinear regression application, data analysis, large scale optimization

EXPERIENCES

05/2011-08/2011	BP America, Reservoir Engineering Intern, Exploration and Production Technology Tested and improved Capacitance Resistive Model (CRM) technology, successfully applied the method to characterize a waterflood field
06/2010-08/2010	BP America, Reservoir Engineering Intern, Exploration and Production Technology Applied Capacitance Resistive Model (CRM) to characterize an actual field, infused practical knowledge to the model to be developed as a reservoir engineering tool
05/2009-08/2009	Occidental Petroleum Corp., Reservoir Engineering Intern, Evaluating Capacitance Resistive Model (CRM), applied CRM on an oil field using GAMS software to forecast and optimize future production
12/2006- 07/2007	Trident Consultants (now GL Industrial Services), Consultant, carried out quantitative studies for oil and gas platforms: Quantitative Risk Assessment (QRA), Fire and Explosion Analysis (FEA), Temporary Refuge Risk Analysis (TRIA), Hazard Operability study (HAZOP)

HONORS AND AWARDS

2008 – 2010   Vietnam Foundation Education (VEF) fellowship for PhD program
2004 – 2008   PETRONAS undergraduate full scholarship for excellent students,
                        Dean's list every semester

TRAINING COURSES

                        Reservoir simulation courses by Computer Modeling Group (CMG)
01/2011   Two-Day Introduction to Builder/Results
02/2011   Three-Day CO_2 based EOR (Miscible Flood)
                        Two-Day Chemical & Thermal EOR Modeling with STARS
03/2011   Two-Day CMOST

COMPUTER SKILLS

- Basic computer skills: Microsoft Word, Excel, Powerpoint
- Programming: C, MATLAB, GAMS, Visual Basic
- Simulation software: CMG, ECLIPSE, OFM, HYSIS, FEMLAB, POLYMATH, Shell FRED
- Others: JMP, Mathematica

GRADUATE COURSES

Advanced transport phenomena	Regression analysis of variance
Advanced analysis	Large scale system optimization
Optimization theory and practice	Energy technology and policy
Numerical simulation of reservoir	Fundamentals of Enhanced Oil Recovery
Advanced reservoir engineering	Chemical engineering economic & business analysis

PUBLICATIONS

Anh P. Nguyen, Jong S. Kim, Thomas F. Edgar, Larry W. Lake, Byron Haynes, "Integrated Capacitance Resistive Model for Reservoir Characterization in Primary and Secondary Recovery", *SPE Annual Technical Conference and Exhibition*, Denver, Colorado, USA, 30 October–2 November 2011.

Anh P. Nguyen, Leon S. Lasdon, Larry W. Lake, and Thomas F. Edgar, "Capacitance Resistive Model Application to Optimize Waterflood in a West Texas Field", *SPE Annual Technical Conference and Exhibition*, Denver, Colorado, USA, 30 October–2 November 2011.

Suzana Yusup, Anh P. Nguyen, Haslinda Zabiri, "A Simulation Study of An Industrial Methanol Reactor Based on Simplified Steady-State Model", *International Journal of Research and Reviews in Applied Sciences*, Vol 5, No. 3, Dec 2010, pp. 213-222.

OTHER ACTIVITIES

- Member of organizing committee for Vietnam Education Foundation 2010 Annual Conference, Resealer Polytechnic Institute, Albany, NY, USA.

- Participate in International Chem-e-car Competition for undergraduate student, Kuala Lumpur, Malaysia, 2006.

REFERENCES

Available upon request.