

JOHANA HUSSERL

Contact:

jhusserl3@mail.gatech.edu

EDUCATION: Georgia Institute of Technology

Doctor of Philosophy Student
GPA 3.83/4

Atlanta, GA
Aug 06-present

Tulane University

Master of Science in Environmental Engineering
GPA 3.87/4

New Orleans, LA
May, 2003

Tulane University

Bachelor of Science in Environmental Engineering
GPA 3.61/4

New Orleans, LA
May 18th, 2002

Universidad de Los Andes

Three years of Chemical Engineering

Bogotá, Colombia
Aug 96- May 99

THESIS: Master's Thesis:

"Design of a Two-Dimensional Model and Investigation of DNAPL Recovery by Water and Co-Solvent Flooding"

Honor's Thesis:

"Scaling of a Two-Dimensional Laboratory Model for NAPL Recovery by Water Flooding"

HONORS:

- Outstanding Research Award in Environmental Engineering, Tulane University, 2003
- B.S. Degree, Magna cum Laude with Departmental Honors
- Academic Achievement Award in Environmental Engineering, 2002
- First Place in ASCE (American Society of Civil Engineers), Louisiana, Undergraduate Paper Competition, April, 2002
- Outstanding Senior, Deutsche Schule Bogotá, 1996

EXPERIENCE: Universidad de los Andes, Civil and Environmental Engineering Department
Undergraduate Studies Coordinator

Bogotá, Colombia
July 04-June 06

Universidad de los Andes, Civil and Environmental Engineering Department
Instructor

Bogota, Colombia
July 03-June-06

- Teaching courses in Introduction to Environmental Engineering, Environmental Chemistry, Environmental Thermochemistry,

Tulane University, Civil & Environmental Engineering Department
Research Assistant

New Orleans, LA
Aug 00- Jan 2003

PROFESIONAL SOCIETIES: American Society of Civil Engineers

PUBLICATIONS & PRESENTATIONS

Publications

Glen R. Boyd, Ana M. Ocampo-Gómez, Minghua Li and Johana Husserl, 2006. Effects of initial saturation on properties modification and displacement of tetrachloroethene with aqueous isobutanol. *Journal of Contaminant Hydrology*, Volume 88, Issues 1-2, 20 November 2006, Pages 69-91

Glen R. Boyd, Minghua Li, Johana Husserl and Ana M. Ocampo-Gómez, 2006. Dip-angle influence on areal DNAPL recovery by co-solvent flooding with and without pre-flooding. *Journal of Contaminant Hydrology*, Volume 82, 319-337

Proceedings

Boyd, G.R., J. Husserl, M. Li, and A.M. Ocampo. 2003. *Effects of areal orientation on DNAPL recovery by neutral buoyant co-solvent flooding*, Proc. National Meeting & Exposition, American Chemical Society, Division of Environmental Chemistry, New York, NY, Sep 7-11

Boyd, G.R., A.M. Ocampo, M. Li, and J. Husserl. 2003. *Effects of contact time and volumetric ratio on achieving neutral buoyancy for PCE with aqueous isobutanol*, Proc. National Meeting & Exposition, American Chemical Society, Division of Environmental Chemistry, New York, NY, Sep 7-11.

Presentations

Husserl, J. Home Chemistry as a Tool for Understanding Environmental Chemistry. International Conference on Engineering Education, Gainesville, Florida, October 2004.

Boyd, G.R, A.M. Ocampo and J. Husserl. *Tools for Predicting DNAPL Removal from Groundwater Using Neutrally Buoyant Co-solvent Flooding*, ASCE-NO Annual Conference, September 2002

Other writings

Husserl, J., 2002. *Two Phase Flow in Porous Media: Scaling of NAPL Displacement by Water Flooding on a X-Y plane*. American Society of Civil Engineering, Undergraduate Publication Award