

Javeed A. AWAN

PhD Candidate
Laboratory of Thermodynamics and Phase Equilibria,
Center for Energy and Processes
Mines Paris-Tech, France
Tel: +33 01 64 69 44 49, Fax: +33 01 64 69 49 68
Email: javeed.awan@ensmp.fr



Research Activity:

Thermodynamics of natural gas containing sulfur species in Amine aqueous solutions

Education:

PhD fellowship from Higher Education Commission of Pakistan (2006-2009)
M.Sc. (Eng) Chemical Engineering, ICET, University of the Punjab, Lahore (2004-2006)
B.Sc. (Eng) Chemical Engineering, ICET, University of the Punjab, Lahore (2000-2004)

Professional Experience:

Thermodynamic modeling of Hydrocarbon-water systems, using Group Contribution plus Association, Guest Researcher under ECOS-SUD program at Planta Piloto de Ingeniería Química PLAPIQUI-Argentina. (April, 2007 to June, 2007)

Thermodynamic modeling of ionic solutions, using Extended UNIQUAC, Guest Researcher at IVC-SEP, Center for Phase Equilibria and Separation Processes, Technical University Denmark. (November, 2008 to February, 2009)

Enseignement:

Lecturer, Institute of Chemical engineering and Technology, University of the Punjab, Lahore (2004-tilldate)

Research scholar, Natural gas pipeline systems: Impact of corrosion on the Disbandment of Epoxy powder coatings (2004)

Publications:

- Javeed. A. Awan, Moussa Dicko, Christophe Coquelet, and Diminique Richon, Récents *Progrès en Génie des Procédés*, 2007 – Numéro 96, SFGP, Paris, France.
- Javeed A. Awan, Alain Valtz, Christophe Coquelet, Dominique Richon, Effect of Acid gases on the solubility of n-Propylmercaptan in 50 wt % Methyldiethanolamine aqueous solution, *Chem. Eng. Research and Design*, 2008, 86, 600-605.
- Selva Pereda, Javeed A. Awan, Amir H. Mohammadi, Alain Valtz, Christophe Coquelet, Esteban A. Brignole, Dominique Richon, Solubility of hydrocarbons in water: Experimental measurements and modeling using a group contribution with association equation of state (GCA-EoS), *Fluid Phase equilibria*, 2008, 275, 1, 52-59.
- Javeed A. Awan, Christophe Coquelet, Alain Valtz, Dominique Richon, Volumetric Properties of Hexamethyleneimine and of its Mixtures with Water, *Thermochimica acta*, 2008, accepted.
- Javeed A. Awan, Christophe Coquelet, Alain Valtz, Dominique Richon, Vapor-liquid Equilibrium of organic sulfur species in 50 wt % MDEA aqueous solutions, *AIChE annual Meeting*, 2008.

Posters:

- Javeed A. Awan, Moussa Dicko, Christophe Coquelet, and Dominique Richon, vapor liquid equilibria of organic sulfur species, acid gases and methane in aqueous solution alkanolamine solution, **SFGP, 2007**, Paris, France.
- Selva Pereda, Javeed A. Awan, Amir H. Mohammadi, Alain Valtz, Christophe Coquelet, Esteban A. Brignole, Dominique Richon, Experimental Measurements and Phase equilibrium modeling of Water + Hydrocarbon Systems Using a Group Contribution Plus Association Equation of State, **ICCT, 2008**, Warsaw- Poland.
- Javeed A. Awan, Christophe Coquelet, and Dominique Richon, Effect of acid gases on the solubility of organic sulfur species in MDEA aqueous solution, **J2A, 2008**, Paris
- J. A. Awan , F. A. Sánchez , A. E. Andreatta , A.H. Mohammadi, C. Coquelet, E. A. Brignole, Dominique Richon, Phase Behavior Modeling of Alkyl Amine + Hydrocarbon and Alkyl Amine + Alcohol Systems Using a Group Contribution Associating Equation of State, **Iberoamerican Conference on Supercritical Fluids, 2008**, Argentina.

Reports:

- Javeed A. Awan, Alain Valtz, Christophe Coquelet, and Dominique Richon, Solubility of CO₂ and sulfur species in aqueous MDEA solution, GPA-037 progress report, March 2007.
- Javeed A. Awan, Albert Chareton, Alain Valtz, Pascal Theveneau, Christophe Coquelet, and Dominique Richon, Solubility of sulfur species in aqueous MDEA solution, GPA-037 progress report, July 2007.CEP/TEP/C/2007/18.
- Javeed A. Awan, Alain Valtz, Frederic Dieu, Christophe Coquelet, and Dominique Richon, Solubility of CO₂ and sulfur species in aqueous MDEA solution, GPA-037 Annual report, April 2008.
- Javeed A. Awan, Alain Valtz, Christophe Coquelet, and Dominique Richon, Solubility of organic sulfur species and CO₂ MDEA/ DEA aqueous solutions, GPA-037 Progress Report, November, 2008.