**Azita Ahosseini**

**Ph.D. Curriculum Vitae**

**Name**:

Azita Ahosseini

**Work Address**:

Northeast College, 555 Community College Drive, Houston, TX 77013

**Office Telephone Number**:

713-718-2133

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**Education**

 • Ph.D. Chemical Engineering, The University of Kansas, 2010

 • M.S. Chemical Engineering, The University of Tehran, 1995

 • B.S. Chemical Engineering, Sharif University of Technology, 1989

**Teaching Experience**

* Process Technology Faculty, Houston Community College, Northeast,

 Global Energy June 2015 – Present

 Taught and Instructed:

* Instrumentation I
* Process Technology Equipment
* Introduction to Process Technology
* Quality
* Systems
* Industrial Economics
* Industrial Processes
* Troubleshooting
* Lecturer, Lab Instructor,

 The University of Kansas, 2010- 2012

 Taught and instructed:

* Unit Operation Lab I and II,
* Basic Engineering Thermodynamics
* Teaching Assistant,

 The University of Kansas, 2009 - 2010

 Taught and instructed:

* Basic Engineering Thermodynamics

**Professional, Technical, and Work-related Experience and Skills**

* Division Chair,

 Houston Community College, Global Energy Center of Excellence,

 August 2022, Present

* Program Coordinator,

 Houston Community College, Global Energy Institute,

 Process technology Department,

 March 2018 – August 2022

* Postdoctoral Researcher,

 The University of Kansas, 2011- 2014

* Graduate Research Assistant,

 Center for Environmentally Beneficial Catalysis

 (CEBC), The University of Kansas, 2004-2010

* Process Development Engineer,

 Research Institute of Petroleum Industries,

 (RIPI - NIOC), 1990-2004

**Awards and Certifications**

* Certificate of Completion, College Leadership Program, May 31, 2023
* Certificate of Award, North American Process Technology Alliance, Houston Community College Team the Company as a National Troubleshooting Skills Competition Finalist
* Certificate of Teaching Excellence for the Completion of the TLE Certified Course Program, October 2022
* Award of Service, August 2020
* Certificate of Recognition, Recognized for the Enduring Commitment to Exceptional Customer Service, Houston Community College,

Northeast Hospitality Team

* Certificate of Professional Development, AICHE. CCPS, August 15, 2019

**Selected Professional Achievements and Publications**

• Ahosseini, A.; Ren,W.; Weatherley, L.; Scurto, A. “Viscosity and selfdiffusivity

of ionic liquids with compressed hydrofluorocarbons: 1-Hexyl-

3-methyl-imidazolium bis (trifluoromethylsulfonyl) amide and 1, 1, 1, 2-

tetrafluoroethane”, Fluid Phase Equilibria, 15 April 2017, 437, 34-42.

• Nguyen, T.V.; Ahosseini, A.; Wang, X.; Yarlagadda, V.; Kwong, A.;

Weber, A.Z.; Deevanhxay, P.; Tsushima, S., and Hirai,S., “Hydrophobic

Gas-Diffusion Media for Polymer-Electrolyte Fuel Cells by Direct

Fluorination”, J. Electrochem. Soc., 2015, 162 (14), F1451-F1460.

• Ahosseini, A.; Weatherley, L.; Scurto, A., “Viscosity and Diffusivity for

the Ionic Liquid 1-Hexyl-3-methyl-imidazolium

Bis(trifluoromethylsulfonyl)amide with 1-Octene” , J. Chem. Eng. Data,

2011, 56, 3715-3721.

• Ahosseini, A.; Sensenich, B.; Weatherley, L.; Scurto, A., “Phase

Equilibrium, Volumetric, and Interfacial Properties of the Ionic Liquid,

1-Hexyl-3-Methyl- Imidazolium Bis(Trifluoromethylsulfonyl)amide

and 1-Octene”, J. Chem. Eng. Data, 2010, 55:4, 1611–1617.

• Duncan, A. M.; Ahosseini, A.; McHenry, R.; Depcik, C. D.; Stagg-

Williams, S. M.; Scurto, A. M. “High-Pressure Viscosity of Biodiesel

from Soybean, Canola, and Coconut Oils”, Energy & Fuels, 2010,

125-164.

• Ahosseini, A.; Ortega, E.; Sensenich, B.; Scurto, A. M. “Viscosity

of n-alkyl-3- methyl-imidazolium bis

(trifluoromethylsulfonyl)amide ionic liquids saturated with

compressed CO2”, Fluid Phase Equilibria, 2009, 286:1 72-78.

• Ahosseini, A.; Ren, W.; Scurto, A. M. “Understanding Biphasic

Ionic Liquid/CO2 Systems for Homogeneous Catalysis:

Hydroformylation”, Ind. Eng. Chem. Res., 2009, 48:9 4254-4265.

• Ahosseini, A.; Ren, W.; Scurto, A. M. “Hydrogenation in biphasic ionic

liquid/CO2 systems in Gas Expanded Liquids and Near-Critical Media:

Green Chemistry and Engineering”; editors: Hutchenson, K.; Scurto,

A.M.; Subramaniam, B.; ACS Symposium Series 1006: Washington, D.C.,

2009, Book Chapter, Chap. 11, p. 218-234.

• Ahosseini, A.; Scurto, A. M. “Viscosity of imidazolium-based ionic

liquids at elevated pressures: Cation and anion effects ” Int. J.

Thermophys, 2008, 29:4 1222-1243.

• Ahosseini, A.; Ren, W.; Scurto, A. “Homogeneous Catalysis in Biphasic

Ionic Liquid/CO2 Systems” Chimica Oggi/Chemistry Today, 2007, 25, (2),

40-42.

**Selected Presentations**

• Ahosseini, A. “Flipped Training in Process Technology Classrooms”

, TCCTA 72th Annual Convention, Houston, TX, March. 1th, 2019.

• Ahosseini, A. “Running Process Technology Training in a Diverse

Classroom”, TCCTA 70th Annual Convention, Austin, TX,

February. 24th, 2017.

• Ahosseini, A.; Ren, W.; Scurto , A.M Scurto, A.M; “High-Pressure

Transport Properties and Phase Equilibria of Imidazolium Ionic

Liquids with CO2 and R134a”, *American Institute of Chemical*

*Engineers National Meeting*, Nashville, TN, November, 2009.

• Ahosseini, A.; Petera, J.; Weatherley, L.; Scurto, A.M; “Interfacial Mass

Transport in the Ionic Liquid/1-Octene System”, *American Institute of*

*Chemical Engineers National Meeting,* Nashville, TN, November, 2009.

• Ahosseini, A.; Ren, W.; Scurto , A.M; “Engineering Biphasic Ionic

Liquid/CO2 Systems for Homogeneous Catalysis”, *American Institute of*

*Chemical Engineers National Meeting,* Philadelphia, PA, November,

2008.

• Ahosseini, A.; Scurto, A.M; “High-Pressure Transport Properties of

Ionic Liquids and Mixtures with Compressed Gases”, *American*

*Institute of Chemical Engineers National Meeting,* Philadelphia, PA,

November, 2008.

• Ahosseini, A.; Scurto, A.M, “Engineering Biphasic Ionic Liquid-CO2

Systems for Continuous Hydroformylation Reaction with Organometallic

Complexes”, *Center for Environmentally Beneficial Catalysis Fall*

*Advisory Board Meeting,* Kansas University, Lawrence, October, 2008.

• Ahosseini, A.; Weatherley, L; Scurto, A.M; “Interfacial Mass Transport

in Biphasic Ionic Liquid Systems”, *ACS National Meeting & Exposition*,

Philadelphia, PA, August, 2008.

• Ahosseini, A.; Ren, W.; Scurto , A.M; “Engineering Biphasic Ionic

Liquid/CO2 Systems for Catalysis”, *American Chemical Society Regional*

*Meeting,* Denver, CO, Aug., 2007.

• Ahosseini, A.; Ren, W.; Scurto , A.M; “Catalysis, Phase Equilibria and Mass

Transport for Hydrogenation and Hydroformylation in Biphasic Ionic Liquid-

Compressed CO2 Systems”, *American Institute of Chemical Engineers*

*National Meeting*, San Francisco, CA, Nov., 2006.

• Ahosseini, A.; Ren, W.; Scurto, A.M, “Engineering Biphasic Ionic Liquid-

CO2 Systems for Continuous Hydroformylation Reaction with

Organometallic Complexes”, *Center for Environmentally Beneficial*

*Catalysis Fall Advisory Board Meeting,* Washington University, St. Louis,

October, 2006.