PRESENTATIONS

- Jalaal Hayes and Andrew Goudy, "Comparative Analysis of Alkali Metal Hydride Doped $2LiNH_2/MgH_2$ Hydrogen Storage Systems", Gordon Conference, Easton, MA, USA, July 2015

- Esosa Iriowen and Andrew Goudy, "Sticking Efficiency Determinations on Some Metal Organic-Frameworks for Gas Adsorptions", Gordon Conference, Easton, MA, USA, July 2015

- Esosa Iriowen, Samuel Orefuwa, Andrew Goudy "The Role of Sticking Efficiencies in Hydrogen Gas Adsorption on Metal Organic Frameworks", International Symposium on Metal-Hydrogen Systems – Fundamentals and Applications, Manchester, UK, July 20-25, 2014

- Jalaal Hayes, Tolulope Durojaiye and Andrew Goudy "Hydriding and Dehydriding Kinetics of RbH- Doped $2LiNH_2/MgH_2$ Hydrogen Storage System" International Symposium on Metal-Hydrogen Systems – Fundamentals and Applications, Manchester, UK, July 20-25, 2014

- J. Hayes, T. Durojaiye and A. J. Goudy, "Effects of Alkali Metal Hydrides on $2LiNH_2/MgH_2$ System", Gordon Conference, Lucca, Italy, 2013

- E. Iriowen, S. A. Abidemi, H. Yang and A. J. Goudy, "Sticking Efficiencies of Different Gases on Metal Organic Frameworks", Gordon Conference, Lucca, Italy, 2013

- Andrew Goudy, Saidi Sabitu, Adeola Ibikunle, Tolulope Durojaiye, "Kinetics Studies on Some Complex Borohydride and Amide Hydrogen Storage Materials", NanoSciences & Technologies Conference, Qingdao, China, October, 2012

- Adeola Ibikunle, Saidi Sabitu and Andrew Goudy, "Kinetics and Modeling Studies of Some Alkaline Earth Borohydrides at Constant Pressure Thermodynamic Forces", ACS National Meeting, Philadelphia, PA, August, 2012

- Hongwei Yang, Samuel Orefuwa and Andrew Goudy, "Solvent-Assisted Mechanochemical Synthesis of Metal-Organic Framework $Cu_3(BTC)_2$ for Hydrogen Storage" MRS Spring meeting, April 9 – April 13, 2012, San Francisco, CA.

- Andrew Goudy, "Thermodynamics and Kinetics of Complex Borohydride and Amide Hydrogen Storage Materials", Materials Challenges in Alternative & Renewable Energy, Clearwater Beach, FL, 2012.

- Andrew Goudy, "Thermodynamics, Kinetics and Modeling Studies on Hydrogen Storage Materials", Low Carbon Earth Summit, Dalian, China, October 2011

- Samuel Orefuwa, Hongwei Yang, Dante Alexander, Bryan Wakefield and Andrew Goudy, “Characterization and Hydrogen Enthalpy of a Novel IRMOF-8-NO_2 prepared by a Rapid Solvothermal method”, Gordon Conference, Easton, MA, July, 2011

- Tolulope Durojaiye and Andrew Goudy, “Desorption Kinetics of $LiNH_2/MgH_2$ Systems at Constant Pressure Thermodynamic Driving Forces”, Gordon Conference, Easton, MA, July, 2011.

- Synthesis of New Naphthalene Linkers for the Incorporation in Hydrogen Storing Metal Organic Frameworks Bryan Wakefield, Andrew Goudy, Samuel Orefuwa, Lewis Q. Lott, Dante Alexander, Andre Kerr, ACS Meeting, Washington, DC, 2011

- Benson and A. J. Goudy, " Synthesis and Desorption Properties of Mixed Alkali Hexahydride Alanates ", Intercollegiate Student Chemists Convention, West Chester, PA, 2011

- Hongwei Yang and Andrew Goudy, “Mechanochemical synthesis of the metal-organic framework $Cu_3(BTC)_2$ for hydrogen storage: An efficient and environmentally benign approach”, 15th Annual Green Chemistry and Engineering Conference + 5th International Conference on Green and Sustainable Chemistry, Washington, DC, June 2011

- S. T. Sabitu, O. Fagbami and A. J. Goudy, “Kinetics and Modeling Study of Magnesium Hydride with Various Additives at Constant Pressure Thermodynamic Driving Forces”, International Symposium on Metal-Hydrogen Systems – Fundamentals and Applications, Moscow, Russia, July 19-23, 2010

- J. Goudy*; A. Ibikunle; and T. Durojaiye , “Hydrogen Storage in Destabilized Borohydride Materials”, Symposium FB “Materials and Process Innovations in Hydrogen Production and Storage" of the 5th Forum on New Materials of CIMTEC 2010, June 13-18, 2010.

- Andrew Goudy and Saidi Sabitu “Improved Hydrogen Storage in Magnesium Hydride Catalyzed by TiH_2 and Mg_2Ni”, NHA Hydrogen Conference and Expo, Long Beach, CA, May 3-6, 2010

- Hongwei Yang and Andrew Goudy, “Kinetic and Modeling Study of Sodium Alanate at Constant Pressure Thermodynamic Driving Forces”, MRS Fall meeting, November 30 - December 3, 2009, Boston, MA.

- Adeola Ibikunle, Tolulope Durojaiye and Andrew Goudy, “Hydrogen Storage in Modified $LiBH_4$ Metal Hydride Materials” NOBCChE Southeast Regional Meeting, University of Maryland, November 2009

- Saidi T. Sabitu, George Gallo and Andrew J. Goudy, "Thermodynamic studies on the interactions of TiH_2 and Mg_2Ni with MgH_2 for high capacity hydrogen storage" NOBCChE Southeast Regional Meeting, University of Maryland, November 2009

- O. Fagbami and A. J. Goudy, "Thermodynamic and Kinetics Measurements MgH_2 for Hydrogen Storage", Posters on the Hill, Capitol Building, Washington, DC, May 5, 2009

- J. Goudy, A. Ibikunle and T. Durojaiye, "Hydrogen Storage in $LiBH_4$ Destabilized Metal Hydride Materials", Gordon Conference, Lucca, Italy, 2009.

- O. Fagbami and A. J. Goudy, "Thermodynamic and Kinetics Measurements on Magnesium Hydride", 11th Undergraduate Research Symposium in the Chemical and Biological Sciences, UMBC, Baltimore, MD, October 11, 2008.

- Hongwei Yang and Andrew Goudy, "Absorption and Desorption Kinetics of Catalyzed $NaAlH_4$ under Controlled Conditions", MRS Fall meeting, November 26 - 28, 2007, Boston, MA.

- P. Ogaro, A. Ojo and A. J. Goudy, "A Comparison of the De-Hydriding Behavior of Lithium Alanate, Sodium Alanate and Mixed Alanate Materials", International Symposium on Metal-Hydrogen Systems – Fundamentals and Applications, Lahaina, Maui, Hawaii, October 1-6, 2006.

- J. Trower, A. Amoako, B. Workie, A. Goudy, H. P. Hayward, S. Grot and W. Grot, Simple Electrochemical Procedure to Test the Catalytic Activity of Platinum Supported on Carbon", Abstract of Papers, 230th ACS National Meeting, Washington, DC, United States, Aig. 28 – Sept. 1, 2005

- Workie, J. E Trower, A. Amoako, A. Goudy, H. P. Hayward, S. Grot, and W. Grot, "Simple Electrochemical Procedure to Test the Catalytic Activity of Platinum Supported on Carbon." Twelfth Annual Mid-Atlantic HBCU Science Research Conference, Princess Anne, MD, April 20, 2005

- Workie, J. E Trower, A. Amoako, A. Goudy, H. P. Hayward, S. Grot, and W. Grot, "Simple Electrochemical Procedure to Test the Catalytic Activity of Platinum Supported on Carbon." HBCU-UP National Research Conference, New Orleans, LA, February 10 – 13, 2005.

- Workie, A Goudy, H. Hayward, S. Grot, and W. Grot, "Development of New Technologies for the Recovery of Platinum and Ionomers from End of Life Membrane Electrode Assemblies." Fuel Cell Seminar, San Antonio, TX, November 1-5, 2004,

- S. A. Grot, R. Zhang, A. J. Goudy, H. Hayward, B. Workie and W. Grot, "Development of New Technologies for the Recovery of Platinum and Ionomers from End of Life Membrane Electrode Assemblies", Abstracts of Papers, Fuel Cell Seminar, San Antonio Texas, November 1 – 5, 2004

- J. Goudy, "Hydrogen Storage Materials for Fuel Cell Applications", Delaware Valley Fuel Cell Forum, March 3, 2004.

- J. Goudy, "Kinetic Studies of Hydrogen Storage Alloys", UD/DuPont/Gore Fuel Cell Symposium, University of Delaware, October 6, 2003.

- J. Goudy, "A Modeling Study of the Hydriding and Dehydriding Kinetics of the $LaNi_{5-x}Al_x$-H System", Gordon Conference, New London, Connecticut, 2001.

- J. Goudy and G. Smith, "Thermodynamics, Kinetics, and Modeling of Some $LaNi_{5-x}Co_x$ Hydrides", Gordon Conference, Henniker, NH, 1999.

- J. Goudy, T. Laughlin, and J. Reinhardt, "Effect of Silicone Rubber on the Hydriding and Dehydriding Kinetics of $LaNi_5$", Gordon Conference, Henniker, NH, 1997.

- J. Goudy and L. Ming, "Hydriding and Dehydriding Kinetics of Dy_2Co_7 Hydride", Gordon Conference, Henniker, NH, 1995.

- H. I. Miller, J. Murray, E. Laury, and A. J. Goudy, "The Hydriding and Dehydriding Kinetics of FeTi and $Fe_{0.9}TiMn_{0.1}$, Proceedings International Symposium on Metal-Hydrogen Systems Fundamentals and Applications, Fujiyoshida, JAPAN, 1994.

- J. Murray, H. Miller, P. Bird, and A. J. Goudy, "The Effect of Particle Size on the Reaction Rates of Some Hydrogen Storage Alloys", Proceedings International Symposium on Metal-Hydrogen Systems Fundamentals and Applications, Fujiyoshida, JAPAN, 1994.

- J. Goudy, L. Ming and E. Lavendar, "Hydriding and Dehydriding Kinetics of Some RCo_5 Hydrogen Storage Alloys", 10th World Hydrogen Energy Conference and Exhibition, Cocoa Beach, FL, 1994.

- P. R. Bidez and A. J. Goudy, "Hydrogenation Reactions of Nitrobenzene and Ethynylbenzene using Rechargeable Metal Hydrides", Intercollegiate Student Chemists Convention, West Chester, PA, 1994.

- J. H. Murray and A. J. Goudy, "Effects of Particle Size on Metal Hydrides", Intercollegiate Student Chemists Convention, West Chester, PA, 1994.

- P. R. Bidez and A. J. Goudy, "Reactions of $LaNi_5$ Mixed with Silicone Rubber", Intercollegiate Student Chemists Convention, West Chester, PA, 1994.

- Terence Laughlin and A. Goudy, "Effect of Silicone Rubber on the Hydriding and Dehydriding Kinetics of $LaNi_5$", Intercollegiate Student Chemists Convention, Juniata College, Huntington, PA, 1993

- J. Goudy, J. H. Murray, and H. I. Miller, "An Analysis of the Particle Size Distributions in Some Hydrogen Storage Alloys", Gordon Research Conference, Tilton, NH., 1993.

- J. Cimato, W. Zhang, A.J. Goudy and K.R. Singleton, "The Hydriding and Dehydriding Kinetics of Some AB_5 Type Hydrogen Storage Alloys", International Symposium on Metal-Hydrogen Systems, Uppsala, Sweden, June 1992.

- A.J. Goudy, K.R. Singleton and P.F. Butler, "The Hydriding Kinetics of Some $La_{0.8}R_{0.2}Ni_5$ Alloys", Gordon Conference, Tilton, NH., 1991.

- Zarynow, A.J. Goudy, R.G. Schweibenz, and K.R. Clay, "The Effect of the Partial Replacemtnt of Ni in $LaNi_5$-H with Cu, Co, and Fe on Absorption and Desorption Kinetics", International Symposium on Metal-Hydrogen Systems, Banff, Alberta, Canada, Sept. 1990.

- Zarynow and A.J. Goudy, "A Metal Hydride Heat Pump", 54th Annual Intercollegiate Student Chemist's Convention, Indiana University of PA., April 1990.

- A.J. Goudy, "Reaction Kinetics of Selected Intermetallic Hydrides", Gordon Conference, Tilton, NH., 1989

- J.T. Koh and A.J. Goudy, "Measuring the Formation and Decomposition Rates of Intermetallic Hydrides", 53rd Annual Intercollegiate Student Chemist's Convention, Elizabethtown College, April 1989

- G. Zhou and A.J. Goudy, "The Effect of Metal Atom Substitution on the Reaction Kinetics of $LaNi_5$-H", International Symposium on Metal-Hydrogen Systems Fundamentals and Applications, Stuttgart, FRG, Sept. 1988

- A.J. Goudy, "Absorption and Desorption Kinetics of $LaNi_5$ Hydride Under Nearly Isothermal And Isobaric Conditions", Gordon Conference, Tilton, NH., June 1987

- A.J. Goudy and C.R. Reamer, "Metal Hydrides as Hydrogenation Reagents in Organic Reactions - Kinetic Aspects", Proceedings of the Thirteenth Annual NOBCChE Conference, Atlanta, GA., 1986.

- A.J. Goudy, "Rates of Hydrogen Evolution from Metal Hydrides", PACCT Conference, 33rd Annual Meeting, IUP, May 1985.

- R.A. Wallingford and A.J. Goudy, "Desorption Kinetics of $LaNi_5$, $LaNi_{4.7}Al_{0.3}$, $(CFM)Ni_5$, $CaNi_5$ and $MNi_{4.5}Al_{0.5}$ Hydrides", 48th Annual Intercollegiate Student Chemist's Convention, Franklin and Marshall College, April 1984.

- A.J. Goudy, D.G. Stokes and J.A. Gazzillo, "An Isothermal Approach to Metal Hydride Kinetics", Proceedings of the Tenth Annual NOBCChE Convention, Knoxville, Tennessee, 1983.

- J. Goudy and J. R. Krauss, "Voltametric Study of Cd Humate Complexes", Current Issues in Agronomy, Presented at a meeting of the Northeastern Branch Society of Agronomy, 1982.