

Dr. Lloyd Heinze

Professor Petroleum Engineering, Texas Tech University

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Lloyd R. Heinze, Ph.D., P.E., Professor, senior faculty member, undergraduate advisor, graduate faculty member, and past department chair, has been serving on the petroleum engineering faculty since 1991. Prior to arriving at Tech, Lloyd lectured on the petroleum faculty at the University of Missouri-Rolla for seven years (1984-1991). He teaches or has taught Freshman Petroleum Engineering Seminar and Engineering Analysis, Sophomore Petroleum Methods, Junior Petroleum Development Methods (Drilling I), Senior Drilling Engineering & Rheology Laboratory, Senior Seminar, Pressure Transient Analysis, Energy and Society, and Engineering Communications, Graduate Advanced Drilling Techniques, Advanced Artificial Lift Methods, Petroleum Environmental Engineering, and Well Completion & Stimulation.

Dr. Heinze, licensed petroleum engineering in Texas and Wyoming, has more than 46 years of experience in petroleum drilling and production engineering. His industry experience includes independent, major and military at Woods Petroleum Corporation, Gulf Oil Company and the USAF. Lloyd is executive director of the Southwestern Petroleum Short Course (SWPSC) now in its 64th year. Heinze is the principal investigator of the Artificial Lift Energy Optimization Consortium (ALEOC) and coordinator of the department's rheology lab. He also serves as the faculty advisor of Pi Epsilon Tau and the Society of Petroleum Engineers.

A member of the Society of Petroleum Engineers (SPE) and the American Society of Engineering Educators (ASEE), Dr. Heinze has authored over 140 presentations, technical papers, and textbooks. He has served as SPE Education & Accreditation Committee Chair; ABET program visitor and commissioner, and a past Technical Editor, past Section Director, past Petroleum Engineering Department Heads President, and on numerous program committees. He has served on the NCEES Fundamental Exam committee for thirteen years and participated in eight CPEE (Colloquium on Petroleum Engineering Education) as convener and program committee member.

Lloyd has drilled and completed wells in excess of 18,000 feet (6000 meters). Together with several graduate students he has presented several papers in research areas of cementing and slurry design.

Degrees with fields, institution, and date

☐ Ph.D. Petroleum Engineering, U of Missouri-Rolla, Rolla, MO 1991

☐ M.S. Petroleum Engineering, U of Missouri-Rolla, Rolla, MO 1986

☐ M.B.A. Business Administration, U of Wyoming, Laramie, WY 1975

☐ B.S. Petroleum Engineering, U of Tulsa, Tulsa, OK 1973

Years of Service at Texas Tech University, dates of appointment

☐ 2005-present Professor of Petroleum Engineering

☐ 2005-2011 Roy Butler Chair

☐ 2005-2010 Chairperson of Petroleum Engineering Department

☐ 1999 Spring Interim Chairperson of Petroleum Engineering Department

☐ 1992-2005 Watford Associate Professor of Petroleum Engineering

☐ 1992-present Executive Director of Southwestern Petroleum Short Course

☐ 1991-2005 Associate Professor of Petroleum Engineering

Other related experience - teaching, industrial, etc.

☐ 1984-1991 Lecturer of Petroleum Engineering, U of Missouri-Rolla, Rolla, MO

☐ 1982-1984 Asst. District Manager, Woods Petroleum Corporation, Casper, WY

☐ 1981-1982 District Engineer, Woods Petroleum Corporation, Casper, WY

☐ 1980-1981 Drilling & Production Engineer, Woods Petroleum Corporation, Casper, WY

☐ 1979-1980 Petroleum Engineer, Gulf Oil Company, Casper, WY

☐ 1977-1979 Production Engineer/Field Supervisor, Gulf Oil Company, Riverton, WY

☐ 1973-1977 Missile Launch Officer, USAF, Cheyenne, WY

☐ 1968-1973 Summer Petroleum Engineer, various companies

Consulting, patents, etc.

☐ Expert Witness on patent case concerning a sand pump and hydrostatic bailer

☐ Environmental Cleanup Recommendations, Amarillo, TX

☐ Environmental Cleanup Recommendations, Post, TX

☐ Reservoir Drainage Methods Recommendations, Amarillo, TX

☐ Artificial Lift recommendation for a field in South America.

☐ Plugging and Abandonment Recommendations for Solution Sulfur Mining Operation, Southwest, TX

☐ Fishing issues on a location.

☐ Gas deliquification device issues.

Requested Review of University of Oklahoma Petroleum Engineering Program, Norman, OK.

Recommended Vietnam Petroleum Engineering Program.

Developed & Trained Faculty for Two Drilling Courses for a New M.S. P.E. Program at Mozambique, Africa

State(s) in which registered

☑ Texas 78465

☑ Wyoming 3470

Scientific and professional societies of which a member

☑ The Society of Petroleum Engineers (SPE), 1979-present

☑ Pi Epsilon Tau, Petroleum Engineer Honor Society

☑ The American Society of Engineering Educators (ASEE)

☑ American Association of Drilling Engineers (AADE)

☑ Independent Association of Drilling Contractors (IADC)

Honors and awards

☑ Recipient, 1999 Halliburton Award for Excellence

☑ Scholastic Honor Societies: Pi Epsilon Tau, Member, 1986-present

☑ SPE Fellowship, 1989-1990 & 1990-1991

☑ George F. & Joan M. Watford Professorship, 1992-2005

☑ Roy Butler Chair, 2005-2011

☑ Member Graduate Faculty, 1991-present

☑ 2010 SWPSC Duane A. Crawford Service Award

☑ SPE Distinguished Member 2006

SPE Regional Distinguished Achievement Award for Petroleum Engineering Faculty 2014.

Institutional and professional service in the last five years

☑ 1999-2011 Chairperson of Petroleum Engineering Department Scholarship Committee

☑ 1997-2006 College Summer Orientation Coordinator

☑ 1997-2015 Pi Epsilon Tau, National Secretary & Treasurer

☑ 1995-2008 SPE, Scholarship Chairman South Plains Section

☑ 1995-2011 Department Webmaster

☑ 1994-2004 SPE, Planning Committee 3rd, 4th, 5th, 6th & 7th Colloquium on PE Education

☑ 1994-2008 SPE, Director South Plains Section

☑ 1993-present, ABET petroleum engineering program visitor

☒ 1992-present, SWPSC Executive Director

☒ 2011-present, ABET commissioner & team chair

2017-present, ABET board of delegates

☒ 2005-2011, SPE US department heads, past president

☒ 2005-2011, SPE Education and Accreditation Committee, past chair

☒ 2004-present, NCEES FE committee, past module chair

☒ 2009-present, SPE PE committee

Graduate Students, Degree, Dissertation/Thesis, date

Master of Science: Committee Chair (47)

*M.S. Degrees Awarded (47)

Master of Science: Committee Service (30):

*M.S. Degrees Awarded (30)

Doctor of Philosophy: Committee Chair (10):

*Ph.D. Degrees Awarded (8)

Doctor of Philosophy: Committee Service (27):

*Ph.D. Degrees Awarded (23)

Principal publications

2017

Mohamed, A., Henderson, S., Soliman, M., Heinze, L., Gorell, S. *Uncertainty reduction in constructing the mechanical earth model: case study from Egypt's Western Desert*. San Francisco, California: American Rock Mechanics Association.

2016

Gamadi, T. D., Heinze, L., Marshall, W. (2016). *Improving and Strengthening Bob L. Herd Department of Petroleum Engineering at Texas Tech University to Achieve Department Missions and Courses Objectives by Developing Strong Curriculum Map*.

2014

Emadibaladehi, S., Soliman, M., Samuel, R., Heinze, L., Moghaddam, R. B., Hutchison, S. (2014). *An Experimental Study of the Swelling Properties of Unconventional Shale Oil Rock Samples Using both Water-Based and Oil-Based Muds* (170686-MS ed., vol. 2014 ATC&E, pp. 14). Dallas, TX: SPE.

Heinze, L., Watson, M. (2014). *Petroleum Senior Students Specialize in Operations or Reservoir Engineering* (170967th ed., vol. 2014 ATC&E, pp. 9). Amsterdam, The Netherlands: Society of Petroleum Engineers.

2013

Sheng, J., Nasir, F., Heinze, L., Menouar, H. (2013). Gel or Polymer. *Southwestern Petroleum Short Course, 2013*, 10.

Heinze, L., SPEAE&TC, "Petroleum Engineering Enrollment," SPE, New Orleans. (October 2013).

2012

▣ Albaiyat, Islam; Watson, Marshall, C.; Heinze, Lloyd R.; "Implementing Artificial Neural Networks and Support Vectors in Stuck Pipe Prediction," 2012 SPE Kuwait International Petroleum Conference and Exhibition, November 2012, Kuwait.

▣ Ezisi, Ibegbuna B.; Hale, Brent W.; Watson, Marshall C.; Heinze, Lloyd R.; "Assessment of Probabilistic Parameters for Barnett Shale Recoverable Volumes," SPE 162915, 2012 SPE Hydrocarbon, Economics, and Evaluation Symposium, Calgary, Alberta, Canada 24-25 September 2012.

▣ Howes, Susan, Chevron & Heinze, Lloyd, Texas Tech University; "Pilot Launch of Three New Global Award Categories for Petroleum Engineering Faculty," March 2012, SPE Journal of Petroleum Technology.

2011

▣ Platt F.M., Heinze, L. R, "A Historical Survey of Summer Internships with a Review of Options for Increasing the Number of Interns Available for Industry," SPE 147426, SPE Annual Technical Conference & Exhibition, Denver, CO, USA, 30 October – 2 November 2011.

2010

▣ Heinze, Lloyd R., "Incident at Morales: Engineering Ethics for Professional Engineers," Southwestern Petroleum Short Course, 21-22 April 2010, Lubbock, TX.

2009

▣ Heinze, Lloyd R.; "Workforce Development Challenges in the Oil and Gas Business," Energy Summit 2009, Louisiana State University Center for Energy Studies, 28 October 2009, Baton Rouge, LA.

▣ Heinze, Lloyd R., "Enrollment Trends US Petroleum Engineering Programs," SPE ATC&E, 3-8 October 2009, New Orleans, LA.

▣ Heinze, Lloyd R., "Enrollment and Research Trends US Petroleum Engineering Programs," Exploration and Production Technology Summit 2009, 23-25 September 2009, Houston, TX.

▣ Heinze, Lloyd R., "Incident at Morales: Engineering Ethics for Professional Engineers," Southwestern Petroleum Short Course, 23-26 April 2009, Lubbock, TX.

2008

☒ Heinze, Lloyd R., "Artificial Lift Prospects for Petroleum Engineering Graduate Students," Tulsa University, Tulsa, OK.

☒ Heinze, Lloyd R., "US Petroleum Engineering Programs ," SPE ATC&E, 19-25 September 2008, Denver, CO.

☒ Heinze, Lloyd R., "Engineering Ethics for Professional Engineers," Southwestern Petroleum Short Course, 22-25 April 2008, Lubbock, TX.

☒ Heinze, Lloyd R., "Curriculum Changes Petroleum Engineering ," SPE Colloquium on Petroleum Engineering Education, 6-10 January 2008, Houston, TX.

2007

☒ Bhagavatula, Ramkamal; Fasesan, Olu; Heinze, Lloyd R.; Lea, James; "A Computational Method for Planar Kinematic Analysis of Beam Pumping Units," JERT-04-1033 ASME Journal of Energy Resources Technology, Petroleum Division of ASME, Vol. 129, December 2007, Transactions of the ASME .

☒ Heinze, Lloyd R., "Enrollment Trends," SPE ATC&E, 8-17 November 2007, Anaheim, CA.

☒ Oghena, Andrew; Ziaja, Malgorzata ; Siddiqui, Shameem; Heinze, Lloyd R.; "DETERMINATION OF HISTORICAL FIELD DATA CUT-OFF TIME SUFFICIENT FOR RESERVOIR HISTORY MATCHING," Southwestern Petroleum Short Course, April 25-26, 2007, Lubbock, TX

☒ Adepoju, Ola; Heinze, Lloyd; Siddiqui, Shameem; "COEFFICIENT OF ISOTHERMAL OIL COMPRESSIBILITY FOR RESERVOIR FLUIDS BY CUBIC EQUATION-OF-STATE," Southwestern Petroleum Short Course, April 25-26, 2007, Lubbock, TX.

2006

☒ Gregory, James M. & Heinze, Lloyd R.; "Sleep Management: Performance, Health and Safety," Southwestern Petroleum Short Course, April 26-27, 2006, Lubbock, TX.

2005

☒ Ogunsany, Seguntayo; Oetama, Teddy; Heinze, Lloyd; "A Robust Type Curve Solution for Analyzing Pressure-Transient Behaviour of Both Vertical and Horizontal Fracture Systems," 2005069, Canadian International Petroleum Conference, Calgary, June 7 - 9, 2005

☒ Ogunsany, Seguntayo; Oetama, Teddy; Heinze, Lloyd; "A Physically Consistent Model for Describing Transient Pressure Behaviour of Horizontal Drainholes," 2005-071, Canadian International Petroleum Conference, Calgary, June 7 - 9, 2005

☒ Ogunsany, Seguntayo; Oetama, Teddy; Heinze, Lloyd; "A General Type-Curve Solution for Analyzing Pressure-Transient Behaviour of Coupled Hydraulic Fracture Systems," 2005-070, Canadian International Petroleum Conference, Calgary, June 7 - 9, 2005

☒ Fasesan, Olu; Heinze, Lloyd R.; "Analysis of Errors in Conventional Interpretation of Archie's Parameters," 2005-202, Canadian International Petroleum Conference, Calgary, Canada, June 7 - 9, 2005.

☒ Fasesan, Olu; Heinze, Lloyd R.; Walser, Doug; "Enhanced Properties & Cost-Effective Application With Incremental Improvements in 50:50 Poz Cementing," 2005-201, Canadian International Petroleum Conference, Calgary, Canada, June 7 - 9, 2005

☒ Fasesan, Olu; Heinze, Lloyd R.; Walser, Doug; "Incremental Improvements in 50:50 Poz Cementing Yields Enhanced Properties & Cost-effective Application," Southwestern Petroleum Short Course, April 18-21, 2005, Lubbock, TX

☒ Ramachandran, Rajesh; Oetama, Teddy; Asquith, George; Ogunsanya, Seguntayo; Heinze, Lloyd; "Building of a Geologic Model of a Field in the Slaughter Area, West Texas," Southwestern Petroleum Short Course, April 18-21, 2005, Lubbock, TX

☒ Fasesan, Olu; Heinze, Lloyd R.; Walser, Doug; "Incremental Improvements in 50:50 Poz Cementing Yields Enhanced Properties and Cost-Effective Application," SPE-94327, 2005 Production Operations Symposium, Mar 17-19, 2005, Oklahoma City, OK

☒ Ogunsanya, B.O.; Oetama, T.; Lea, J.F.; Heinze, L.R.; "A Coupled Model for Analyzing Transient Pressure Behavior of Horizontal Drainholes," SPE-94501, 2005 Production Operations Symposium, Apr 16-19, 2005, Oklahoma City, OK

☒ Akhtar, T., Adisoemarta, P. S., Heinze, L. R. and Lawal, A. S., "Evaluation of PVT Correlations for Crude-Oil Properties," SPE-94493 presented at the 2005 Production Operations Symposium, 17-19 April 2005 Oklahoma City, Oklahoma.

☒ Kumar, N., Ohaeri, C., Heinze, L. R. and Lawal, A. S., "Compressibility Factors for Sour and Natural Gases by Cubic Equations of State," SPE-94495 presented at the 2005 Production Operations Symposium, 17-19 April 2005 Oklahoma City, Oklahoma.

☒ Fasesan, Olu; Heinze, Lloyd R.; Walser, Doug; "Waste Control and reduction through incremental advances in 50:50 Poz Cementing," AADE-05-P15, 2005 AADE National Technical Conference & Exhibition, April 5-7, 2005, Houston, TX

☒ Fasesan, Olu; Heinze, Lloyd R.; Walser, Doug; "Improvements and Cost – Effectiveness in Application of 50:50 Poz Cementing with Enhanced Properties," AADE-05-P16, 2005 AADE National Technical Conference & Exhibition, April 5-7, 2005, Houston, TX

☒ Awolusi, Femi; Heinze, Lloyd; "A Review of Artificial Intelligence Techniques in Drilling Technology," AADE-05-P15, 2005 AADE National Technical Conference & Exhibition, April 5-7, 2005, Houston, TX

☒ Heinze, Lloyd R.; Gregory, James M.; "2 nd ABET 2K Visit < 1 Years Away," ASEE Gulf SW Section Annual Meeting, March 23-25, 2005, Corpus Christi, TX

☒ Gregory, James M.; Heinze, Lloyd R.; "Recruitment and Retention in Engineering: A Global

☒ Perspective," ASEE Gulf SW Section Annual Meeting, March 23-25, 2005, Corpus Christi, TX

2004

☒ Swanson, Charles; Heinze, Lloyd; "Overcoming the Oil and Gas Talent Void by Focusing on the Core Business," Ernst & Young Americas Director of Oil and Gas, December, 2004, Houston, TX

- ☐ Heinze, L.R.; "What's Ahead in the Future of Oilfield Technology," SPE/OOS, Oct 19, 2004, Odessa, TX
- ☐ JERT-04-1033, "A Computational Method for Planar Kinematic Analysis of Beam Pumping Units," Journal of Energy Resources Technology
- ☐ Bobo, J.; Chase, R.W.; Iraj, E.; Eustes III, A.W.; Freestone, N.; Heinze, L.R.; Horne, R.N.; Howes, C.S.; Joslin, T.; Miskimins, J.; Sharma, M.; "The Sixth Society of Petroleum Engineers Colloquium on Petroleum Engineering Education," SPE 2004 ATCE, Sep. 2004, Houston, TX
- ☐ Jones, K., Lawal, A. S. and Heinze, L. R., "Improved Pseudocritical Parameters Prediction for Reservoir Fluids," Paper 90671 presented at the SPE Annual Meeting in Houston, TX, 26-29 September 2004.
- ☐ Heinze, L.R.; Gregory, J.; Lawal, A.; "Efficient, Reliable, Written, and Oral Engineering Communications," 6 th CPEE, Golden, CO, Aug 2004.
- ☐ Heinze, L.R.; "Petroleum Engineering Enrollment Trends," 6 th CPEE, Golden, CO, Aug 2004.
- ☐ Bhagavatula, Ramkamal; Heinze, Lloyd; "Cuttings Transport Hydraulics in Vertical Annulus," AADE Drilling Fluids Conference, Houston, TX April 6-7, 2004
- ☐ Heinze, L.R.; Dunnun, C.; "Mechanical Methods to Remove Liquids in Gas Wells," Gas DeLiquidification Workshop, Denver, CO, February, 2004
- ☐ Zhao, Xiodong; Lawal, Akanni S.; Heinze, Lloyd R.; "A Numerical Model for Slug Flow in Vertical Pipes,"
- ☐ Ogunsanya, B.O, Heinze, Lloyd R.; Walser, Doug; "Liquid Additive Controls Slurry Properties,"
- ☐ Bhagavatula, Ramkamal; and Heinze Lloyd R.; "Cutting Transport Hydraulics in Vertical Annulus," 2003
- ☐ Gregory, James M.; Heinze, Lloyd R.; Bagert, Donald J.; Mengel, Susan A.; "E—COACH: A PARADIGM SHIFT FOR EFFICIENT ADVISING," Journal of Engineering Education, Dec., 2003.
- ☐ Heinze, Lloyd R., Zhao, X; & Walser, Doug; "Liquid Additives Control Cement Slurry Properties," SPE 80941, SPE Drilling & Completion, Dec 2003.
- ☐ Heinze, L.R., Gregory, J.M. & Rivera, J., "Math Readiness: the Implications for Engineering Majors," FIE 1249, 33 rd ASEE/IEEE Frontiers In Education Conference, Boulder, CO, Nov. 5-8, 2003.
- ☐ FIE 1081, Boulder, CO, Nov. 2003. Abstract submitted and accepted, paper will be in proceedings.
- ☐ Heinze, L. R., "Education & Professionalism – Petroleum as a Career: Public Perceptions, K-12 Perspective, Independent Oil Companies Perspective, International Perspective, Government Perspective, Industry Perspective, SPE Perspective", SPE ATC&E, Denver, CO, Oct. 5-8, 2003.
- ☐ Simon, S. L., Wiesner, T. F., & Heinze, L. R.; "Program Improvements Resulting from Completion of One ABET 2000 Assessment Cycle," ASEE Annual Conference & Exposition, , Nashville, TN, June, 22-25, 2003
- ☐ Heinze, Lloyd R., Fasesan, Olu , Zhao, X; & Walser, Doug; "Liquid Additives Control Cement Slurry Properties," 50th Annual SWPSC, Lubbock, TX, Apr 17-20, 2003.

☐ Heinze, Lloyd R., "Educating the 22nd Century Oil Patch," 50 th Annual SWPSC, Lubbock, TX, Apr 17-20, 2003.

☐ Heinze, L.R. & "Liquid Additives Control Cement Slurry Properties," AADE-03-NTCE-20, 2003 AADE National Technical Conference, Drilling Optimization I session, Houston, TX, April 1-3, 2003.

☐ Heinze, L.R.; "Texas Tech Research Activity," AADE-03-NTCE-20, 2003 AADE National Technical Conference, Drilling Optimization I session, Houston, TX, April 1-3, 2003.

☐ Heinze, Lloyd R., Fasesan, Olu , Zhao, X; & Walser, Doug; "Liquid Additives Control Cement Slurry Properties," SPE 80941, SPE Production & Operations Symposium, Oklahoma City, OK, Mar. 2225, 2003.

☐ Heinze, Lloyd R. & Gregory, James M.; "Math Readiness: The Implications for Engineering Majors," ASEE-GSW Conference March 19-21, 2003 at U Texas Arlington.

☐ Lawal, A.S., Gregory, J.M. & Heinze, L.R.; "Efficient, Reliable, Written and Oral Engineering Communications," ASEE-GSW Conference March 19-21, 2003 at U Texas Arlington.

☐ Gregory, J.M., Lawal, A.S., Heinze, L.R., Rivera, J., Harris, G. & Bagert, D.; "Problems and Successes with NSF Scholarship Grant," ASEE-GSW Conference March 19-21, 2003 at U Texas Arlington.

2002

☐ Gregory, James M.; Heinze, Lloyd R.; Bagert, Donald J.; Mengel, Susan A.; "E—COACH: A PARADIGM SHIFT FOR EFFICIENT ADVISING," FIE 1263, 2002 Frontiers in Education Conference, Boston MA, Nov. 6-9, 2002.

☐ Heinze, Lloyd R.; Gregory, James M.; Bagert, Donald J.; " WEB-BASED AUTOMATED ASSESSMENT FOR ABET PROGRAMS," FIE 1308, 2002 Frontiers in Education Conference, Boston MA, Nov. 6-9, 2002.

☐ Bagert, Donald J.; Gregory, James M.; Mengel, Susan A.; Heinze, Lloyd R.; " Engineering Education Innovation with Software Engineering Projects," FIE 1475, 2002 Frontiers in Education Conference, Boston MA, Nov. 6-9, 2002.

☐ Heinze, Lloyd R. & McVay, Duane A.; Panel Discussion: "Energy Engineering Education Trends For The Next Decade", SPE ATC&E, San Antonio, TX, Sept. 29-Oct. 2, 2002.

☐ Rowlan, Lynn; McCoy, James; Lea, James; Heinze, Lloyd; "Fundamentals of Artificial Lift and Beam Pumping One Day School," 49th Annual SWPSC, Lubbock, TX, Apr 2002.

☐ Heinze, Lloyd R.; Lawal, Akanni S.; Gregory, James M.; "Continuous Assessment and Continuous Improvement Tool," the ASEE Gulf-Southwest Section 2002 Annual Conference, U of Louisiana at Lafayette, March 2002.

☐ Heinze, Lloyd R.; Gregory, James M.; Bagert, Donald J; "Web-Based Automated Assessment for ABET Programs" the ASEE Gulf-Southwest Section 2002 Annual Conference, U of Louisiana at Lafayette, March 2002.

☐ Gregory, James M. & Lloyd R. Heinze; "Helping Undecided Students Select a Major in Engineering," the ASEE Gulf-Southwest Section 2002 Annual Conference U of Louisiana at Lafayette, March 2002.

☐ Heinze, L.R.; "Panel Discussion: Personnel Recruiting & Retaining the Drilling Industry's Key Resource," IADC/SPE Directory 7 General Membership conference, Dallas, TX, Feb. 2002.

2001

☐ Heinze, L.R.; "Personnel Recruiting & Retaining the Drilling Industry's Key Resource," IADC/OOC Drilling Gulf of Mexico Conference & Exhibition, Houston, TX, Dec. 2001.

☐ Heinze, L.R.; Chair Education & Professionalism Session, SPE 2001 Annual Technical Conference & Exhibition, New Orleans, LA, Oct. 2001.

☐ Ostermann, R. & Heinze, L.R.; "Petroleum Engineering Enrollments Trends," SPE 64310, SPE 2001 Annual Technical Conference & Exhibition, New Orleans, LA, Oct. 2001.

☐ Heinze, L.R., "SPE Forum on Realtime Data in Drilling," Jul. 2001, Park City, UT.

☐ Heinze, L.R., "SPE Forum on Big Crew Change," Aug. 2001, Park City, UT.

☐ Gregory, J.M.; Desrosiers, R.; Heinze, L.R.; Bagert, D.; & Rivera, J.; "Nature of College Advisor in the Twenty-first Century," ASEE Annual Meeting, Session 1323, Albuquerque, NM, June 2001.

☐ Heinze, L.R. & Bikram Baruah.; "A Review of Past 50 Years of Paraffin Prevention and Removal Techniques as Presented in the SWPSC," 48th Annual SWPSC, 23-26 April 2001, Lubbock, TX.

2000

☐ Ostermann, R. & Heinze, L.R.; "Petroleum Engineering Enrollments Trends," SPE 64310, SPE 2000 Annual Technical Conference & Exhibition, Dallas, TX 1-4 Oct. 2000.

☐ Lee, J.; Heinze, L.R.; "Petroleum Engineering Education – The Road," SPE 64307, SPE 2000 Annual Technical Conference & Exhibition, Dallas, TX 1-4 Oct. 2000.

☐ Kazemi, Heinze, L.R.; "The Fifth Colloquium on Petroleum Engineering Education – An Industry Perspective," SPE 64308, SPE 2000 Annual Technical Conference & Exhibition, Dallas, TX 1-4 Oct. 2000.

☐ Heinze, L.R.; Miller, M.; Numbere, D.; & Bassiouni, Z.; "Petroleum Engineering Programs of the Future," SPE CPEE July 2000, Breckenridge, CO

☐ Heinze, L.R.; Lee, J.; "Continuing / Distance Education, beyond the normal classroom," SPE CPEE July 2000, Breckenridge, CO

☐ Heinze, L.R. & Rahman, M.; "Development of the ALEOC Beam Pump Failure Database," 47th Annual SWPSC, 10-13 April 2000, Lubbock, TX

☐ Gregory, J.M.; Heinze, L.R. & Lawal, A.; "ABET Criteria 2000 Self-Study Reports: College Perspective," ASEE/GSW 2000 Annual Conference, 5-8 April 2000, Las Cruces, NM

☐ Heinze, L.R.; Gregory, J.M. & Lawal, A.; "ABET Criteria 2000 Self-Study Reports: Department Perspective," ASEE/GSW 2000 Annual Conference, 5-8 April 2000, Las Cruces, NM

☐ Rahman, M. & Heinze, L.R.; "The Big Picture: Merits of a Cross-Company Database for Beam Pump Failure in the Permian Basin," SPE Permian Basin Oil & Gas Recovery Conference, 21-23 March 2000, Midland, TX

☐ Adisoemarta, P.; Heinze, L.R. & Morris, S.; "Electrical Dissipation Factor: A Novel Way to Detect Changes in Shale Water Content," SPE 59532, SPE Permian Basin Oil & Gas Recovery Conference, 21-23 March 2000, Midland, TX

☐ Heinze, L.R.; Rahman, M.; & Ge, Z.; "Sucker-Rod-Pumping Failures in the Permian Basin," SPE 56661, SPE JPT, March 2000.

☐ Heinze, L.R. & Rahman, M.; "Results from Beam Pump Failure analysis in the Permian Basin," ETCE 2000/PROD 10082, 14-17 Feb. 2000, New Orleans, LA

☐ Lawal, S. & Heinze, L.R.; "A Theoretical Analysis of Multiphase Flow regimes Transition," ETCE 2000/PROD 10082, 14-17 Feb. 2000, New Orleans, LA

1999

☐ Rahman, Heinze, & Ge, "Sucker-Rod-Pumping Failures in the Permian Basin," SPE 56661, SPE 1999 Annual Technical Conference & Exhibition, Houston, TX 3-7 Oct. 1999.

☐ Ostermann & Heinze, "Petroleum Engineering Enrollments 1999-2000," SPE 1999 Annual Technical Conference & Exhibition, Houston, TX 3-7 Oct. 1999.

☐ Heinze, L.R., "Sucker Rod Failures IV in the Permian Basin", Artificial Lift Forum, Oct. 1999, Midland, TX.

1998

☐ Ramana V. Palisetti & L. R. Heinze, "Simplified Approach for Predicting Pressure Profiles in a Flowing Well," SPE 39762, 1998 SPE Permian Basin Oil and Gas Recovery Conference, Midland, TX 23-26 March 1998.

☐ Ramana V. Palisetti, H. W. Winkler, & L. R. Heinze, "Screening Criteria to Adopt the Best Multiphase Flow Correlation," 45th SWPSC, April, 1998, Lubbock, TX

☐ Heinze, L.R., "Sucker Rod Failures III in the Permian Basin", Artificial Lift Forum, Oct. 1998, Midland, TX

1997

☐ Rodriguez, L. A., and Heinze, L. R. " Summer Internships: The Right Tool for Freshman Retention," American Society of Engineering Education, Houston, TX, March 1997.

☐ Zhanyu Ge and Heinze, L. R. " Application of Fault Tree Analysis to Sucker Rod Pumping System," 48th Annual Technical Meeting of Petroleum Society of Canada, Calgary, Canada, June 1997.

☐ Heinze, L. R., and Day, J. J. " Recruiting and Retention at Texas Tech University," SPE 4th Colloquium on Petroleum Engineering Education, Breckenridge, CO, July 1997.

☐ Day, J. J. and Heinze, L. R. " Petroleum Industry Advisory Boards," SPE 4th Colloquium on Petroleum Engineering Education, Breckenridge, CO, July, 1997.

☒ Gregory, J. E., and Heinze, L. R. " Petroleum Industry Environmental Projects at Texas Tech University," 4th Annual International Petroleum Conference, San Antonio, TX, Sept. 1997.

☒ Heinze, L. R. " Sucker Rod Failures II in the Permian Basin," Artificial Lift Forum, Midland, TX, 1997.

☒ Heinze, L. R. " Report on 4th Colloquium on Petroleum Engineering Education Forum," SPE Annual Technical Conference and Exhibition, San Antonio, TX, Oct. 1997.

1996

☒ Heinze, L. R., "Sucker Rod Failures in the Permian Basin," Artificial Lift Forum, Midland, TX, Sept.'96.

1995

☒ Heinze, L. R. " Decision Tree for Selection of Artificial Lift Method," SPE 29510 presented at the 1995 SPE Production Operations Symposium, March 1995, Oklahoma City, OK.

☒ Heinze, L. R. " Worldwide Partnerships for Progress: Academia and Industry," SPE 3065 SPE 1995 Annual Technical Conference & Exhibition, October 22-25, 1995, Dallas, TX.

1994

☒ Palisetti, R. V., and Heinze, L. R. " Selection Criteria to Adopt the Best Multi phase Flow Correlations: Using a Windows Oriented Graphical User Interface Software," SPE 1994 Permian Basin, Midland, TX.

☒ Heinze, L. R. " Building a Computer Database of Petroleum Industry Efforts at Environmental & Safety Cleanup and Control," SPE 1994 Permian Basin Oil & Gas Conference, Mar. 16-18, Midland, TX.

1993

☒ Heinze, L.R., "CHES--CASING Casing Hydraulic Expert System", SPE Computer Applications Journal, Feb. 1993.

1992

☒ Heinze, L.R., "CHES--Casing Hydraulic Expert System", 1992 SPE Petroleum Computer Conference, SPE #024420, July 1992, Houston, TX.

☒ Heinze, L.R., "AL, An Expert System for Selecting Artificial Lift", The American Oil & Gas Reporter, June 1992.

☒ Heinze, L.R., Harris, John, "Environmental Concerns for Petroleum Operations", 39th SWPSC, April 1992, TTU, Lubbock, TX.

☒ Heinze, L.R., "A Knowledge Base for Designing Casing Strings", 39th SWPSC, April 1992, TTU, Lubbock, TX.

☒ Heinze, L.R., "AL, An Expert System for Selecting Artificial Lift", 39th SWPSC, April 1992, TTU, Lubbock, TX.

☒ Heinze, L.R., "Computer Applications in Petroleum Engineering Education", 39th SWPSC, April 1992, TTU, Lubbock, TX.

☒ Heinze, L.R., "Casing Hydraulic Expert System (CHES)", 39th SWPSC, April 1992, TTU, Lubbock, TX.

1991

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