AADE FLUIDS 2014 HOUSTON • TEXAS

TECHNICAL CONFERENCE AND EXHIBITION

The Global Premier Drilling, Completion, Cementing and Fracturing Fluids Conference

TECHNICAL PROGRAM OVERVIEW

Tuesday, April 15

7:00 am	8:30 am	Breakfast
8:15 am	8:30 am	Opening: Fred Growcock and Jason Scorsone, Conference Chairs
8:30 am	9:30 am	Keynote Speaker: Dr. Stephen R. Igo, Executive Director, Pumps & Pipes, "MWD/LWD the Arteries of the Heart"
10:00 am	5:30 pm	Technical Papers
10:00 am	3:00 pm	Student Presentations: (Galileo Room)
12:00 pm	1:30 pm	Luncheon: AADE Fluids Hall of Fame Induction, Class of 2014
5:30 pm	7:30 pm	Cocktail Reception: (AADE NEXT Group Challenge)
		Student Posters during breaks

Wednesday, April 16

7:00 am	8:30 am	Breakfast
8:00 am	5:00 pm	Technical Papers
10:00 am	12:00 pm	Student Interactive with AADE Professionals: (Galileo 1 Room)
12:00 pm	1:30 pm	Luncheon Speaker: Dr. Eric van Oort, University of Texas, "Fluids Automation: Past, Present and Future"
		AADE Awards Presentations during Luncheon
		· Sandy Purdy Gold Medal for Best University Student Poster
		· Wayne Bryant AADE Service Award
1:30 pm	3:00 pm	Plenary Panel: Ben Bloys, Chevron, Moderator "Drilling Past Regulations and into New Frontiers"
3:00 pm	3:30 pm	Best Exhibitor Award
		Student Posters during breaks

Registration booth opens at 7:00 am each morning.

April 15-16 · 2014
Hilton Houston North
12400 Greenspoint Dr.
Houston, Texas 77060

AADE
AMERICAN ASSOCIATION of DRILLING ENGINEERS

Tuesday April 15 2014 | TECHNICAL SESSIONS

7:00 – 8:30	Breakfast | sponsored by Newpark Drilling Fluids		
8:15 – 8:30	Opening Comments – Fred Growcock and Jason Scorsone, Conference Chairs		
8:30 – 9:30	Keynote Address: Dr. Stephen R. Igo, Executive Director, Pumps and Pipes. "**MWD/LWD the Arteries of the Heart**"		
9:30 – 10:00	Break | sponsored by BASF Global Oilfield Solutions Exhibits and Student Poster Session Open		
	Room C	Room D	Gallileo Room
10:00 – 12:00	**Completions** Session Chairs: Richard McCoy (Fieldwood Energy) and Tom Carlson (Shrieve)	**Cementing** Session Chairs: Greg Mullen (ConocoPhillips) and Heath Williams (Schlumberger)	**Student Sessions**
10:00	**New Optimized Laboratory Testing Methods to Study the Effectiveness of Surface Modification Agents** – Christopher Parton, Philip Nguyen, Loan Vo, and Jessica Heeter (Halliburton). [01]*	**Characterizing Smart Cement with Sodium Metasilicate for Real Time Monitoring of Ultra-Deepwater Oil Well Cementing Applications** – Cumaraswamy Vipulanandan and K. Ali (Univ of Houston), G. Narvaez (Baker Hughes), D. Richardson and J. Pappas (RPSEA). [05]	
10:30	**Tailoring Thermal, Mechanical, and Physical Properties of Degradable Polymers for Downhole Applications** – Feng Liang, B.R. Reddy and Philip Nguyen (Halliburton). [02]	**Modeling the Effect of Curing Pressure on the Viscosity Evolution of Oilwell Cement** – Xueyu Pang, Pauline Otieno and Gary Funkhouser (Halliburton). [06]	
11:00	**Acidizing High Temperature Carbonate Reservoirs Using Methanesulfonic Acid: A Coreflood Study** – Alexis Ortega and Hisham Nasr-El-Din (Texas A&M Univ) and Shawn Rimassa (BASF). [03]	**A Formulated Silicate-Based Preflush & Spacer for Improved Wellbore Cleaning and Wetting** – Michael McDonald and Xianglian Li (PQ) and Brian Lim (Magnum). [55]	
11:30	**High Volume, High Capacity Filtration System for Ultra Deepwater Environments** – Edward Rapp (TETRA). [57]	**Waste Recycled Glass Powder as a Pozzolanic Additive for Cementing Oil Well** – Vandana Pandey, Rahul Patil, Dibyadarshani Senapati and Sheetal Singh (Halliburton). [56]	
12:00 – 1:30	Luncheon | sponsored by BHP Billiton	AADE Fluids Hall of Fame 2014 Induction: Class of 2014 introduced by Dennis Goldwood: **Syed A. Ali | Erle P. Halliburton | Thomas S. Carter** **John Kelly, Jr. | James D. Fann |Benjamin K. Stroud**	

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	Room C	Room D	Gallileo Room
1:30 – 3:00	**Drilling Fluids - WB** Session Chairs: Shannon Stocks (Chevron) and Greg Perez (Newpark)	**General Session** Session Chairs: Brent Estes (Chevron) and Matt Offenbacher (M-I SWACO)	**Student Sessions**
1:30	**Prediction of Frictional Pressure Losses for Time Dependent Drilling Fluids in Pipe Flow** – Olufolahanmi Olusola (Tetra), Tan Nguyen (NM Inst Mining & Tech), A. Saasen (Det Norske/Univ of Stavanger) and E. Al-Safran (Kuwait Univ). [09]	**Automated Vision Based Particle Analysis** – Thomas Canty and Justin Hallbach (Canty). [12]	
2:00	**Field Results for Encapsulated Oil as an Additive to Water-Based Drilling Fluids** – P. Johnson (Fidelity), A. Rea (ARC Fluid Technologies), A. Coragliotti, C. DiCicco and R. Nagatani (Solazyme). [10]	**Extending API-Grade Barite** – James Stark, John Lee, Christine Nguyen, Ahmadi Tehrani and Steve Young (M-I SWACO). [58]	
2:30	**Reduced Drilling Days and Low Friction Factors Hallmark Eagle Ford Water-Based Fluid Performance** – Ian Everhard, Steven Willis, Mario Villalobos, Dennis Clapper and Hatem Aly Salem (Baker Hughes). [11]	**Application of Real-Time Solids Monitoring in Well Design, Annulus Pressure Control and Managed Pressure Drilling** – Feifei Zhang, Stefan Miska, Mengjiao Yu, Evren Ozbayoglu and Nicholas Takach (Univ of Tulsa). [14]	
3:00 – 3:30	Break | sponsored by Oren Hydrocarbons Exhibits and Student Poster Session Open		
3:30 – 5:30	**Drilling Fluids - IE** Session Chairs: Phillip Jackson (BP) and Ahmed Amer (M-I SWACO)	**Cementing Integrity** Session Chairs: Aaron Dondale (BP) and Deepak Khatri (Baker Hughes)	**Lost Circulation** Session Chairs: Neil Trotter (Chevron) and David Schwertner (Baker Hughes)
3:30	**Enhanced Fluid Viscosity Using Novel Surfactant Chemistry Purposely Designed for Low-Aromatic Mineral and Synthetic Base Fluids** - Jorge Fernandez, Kip Sharp and Dan Plummer (Sasol). [15]	**Impact of Physical and Chemical Mud Contamination on Wellbore Cement-Formation Shear Bond Strength** – Arome Oyibo and Mileva Radonjic (Louisiana State Univ). [19]	**Modelling Suspension of Lost Circulation Materials in a Drilling Fluid** – Sandeep Kulkarni, Kushabhau Teke, Sharath Savari, Dale Jamison and Donald Whitfill (Halliburton). [24]
4:00	**Gellant for Oil-Based Drilling Fluid Behind Casing** – Matthew Miller, Sandeep Kulkarni, Donnie King and Rob Valenziano (Halliburton). [16]	**How Cement Operations Affect Your Cement Sheath Short and Long Term Integrity** – Benjamin Weideman and Runar Nygaard (Missouri University of Science and Tech). [20]	**Review of Lost Circulation Materials and Treatments with an Updated Classification** – Mortadha Alsaba and Runar Nygaard (Missouri Univ of Sci & Tech), Geir Hareland (Okla State Univ) and Oscar Contreras (Univ of Calgary). [25]
4:30	**Impact of Gas Solubility on Kick Detection in N-Paraffin Based Drilling Fluids** – Leandro Galves (Federal Univ of Rio de Janeiro), Roni Gandelman and André Martin (Petrobras). [17]	**Cement Compressive Strength Development Drastically Affected by Testing Procedure** – Joseph Huwel, Faustino Villarreal and Russel Roberts (Crest Pumping Technologies). [22]	**Efforts To Control Fluid Losses In Offshore Drilling** – Alex Waldmann, V. de Lima, E. Souza, A. D´Almeida, G. Teixeira and A. Geraci (Petrobras), S. Magalhães, O. Neto, C. Scheid and L. Calçada (UFRuralRJ). [26]
5:00	**Novel Oil Based Mud Additive Decreases HTHP Fluid Loss And Enhances Stability** – Preston Alford, D. Anderson, M. Bishop, D. Goldwood, C. Stouffer and E. Watson (Drilling Specialties), M. Karonka and R. Moore (Anchor). [18]	**Engineered Solid Package Enables Lifting Cement in the Permian Basin** – R. Diarra, J. Carrasquilla, S. Shwayat (Schlumberger) and Roy De Napoli (Apache). [54]	**A Study on Geometry Non-Configurations of a Commercial Desilter** – Curt Panisset and André Martins (Petrobras), Marcos Barrozo and Carlos Ataíde (Federal University of Uberlândia). [62]
5:30 – 7:30	Cocktail Reception - Honoring the Hall of Fame Recipients and Students Reception sponsored by Dow Chemical Company		Challenge sponsored by AADE Houston Chapter **NEXT** Group

** [xx] refers to the paper number. The full paper number is AADE-14-FTCE-xx. This will make it easier to access the full text paper on the USB or AADE website.*

CEU – Continuing Education Units are available. Contact AADE representatives in the registration booth for information.

Wednesday April 16 2014 | TECHNICAL SESSIONS

7:00 – 8:30	Breakfast | sponsored by Drilling Specialties 		
	Room C	Room D	Gallileo Room
8:00 – 9:30	**Drilling Fluids - Sag** Session Chairs: Rusty Connell, Oxy and Kim Burrows (Halliburton)	**Modeling** Session Chairs: Juan Pinzon (BHP Billiton) and Sudhendu Kashikar, (Microseismic)	**Completion Fluids** Session Chairs: Elliott David (BP) and Ed Rapp (Tetra)
8:00	**A Quantitative Study of the Combined Effect of Drilling Parameters on Dynamic Barite Sag in Oil-Based Drilling Fluids** – Tan Nguyen (New Mexico Tech), Stefan Miska (Univ of Tulsa), Arild Saasen (Det Norske) and Jason Maxey (Halliburton). [27]	**Detection and Prevention of Drilling Problems through Real-Time Modeling** – Bill Chmela, Nick Gibson, Egill Abrahamsen and Hamayun Raja (Sekal). [30]	**Thermal Stability Enhancement of Organic Oxygen Scavengers** – Pubudu Gamage and Jay Deville (Halliburton). [33]
8:30	**"Improvised" Barite Sag Analysis for Better Drilling-Fluid Planning in Extreme Drilling Environments** – Sandeep Kulkarni, Sharath Savari, Robert Murphy, Terry Hemphill and Dale Jamison (Halliburton). [28]	**High-Fidelity Training Simulators Enhance Drilling and Drilling Fluid Skills and Competencies** – Mario Zamora and Sanjit Roy (M-I SWACO). [31]	**Field Trial Evaluation on a Hydrocarbon-Free Friction Reducer** – Allan Ye, Chris Pierce, Marlon Mckoy and Jason Maxey (Halliburton). [34]
9:00	**Drilling Fluid Storage and Transfer Methods at Perdido** – Rivers Fike and Daniel Gerber (Shell). [29]	**Supporting Drilling Gains with More Informed Fluids Experts** – Clint Galliano, A. Porter, and J. Miller (Halliburton). [32]	**Rheological Performance of Polymers in Heavy Brines for Workover and Completion** – Vineet Sinha and Subhash Shah (Univ of Oklahoma). [35]
9:30 - 10:00	Break | sponsored by OMNOVA | Exhibits and Student Poster Session Open 		
10:00 – 12:00	**Fracturing Fluids** Session Chairs: Jianguo Zhang (BP) and Dave Clark (Clark NRG)	**Cementing II** Session Chairs: Ron Sweatman (Baker Hughes) and Leon Robinson (retired)	**Student Interaction with Industry Professionals**
10:00	**Novel Low-Residue High Brine Fracturing Fluid** – Loan Vo, Bradley Sparks, Christopher Parton, Janette Cortez and Tanner Green (Halliburton). [36]	**Is the Wellbore Prepared "Enough" for Cementing? Finding Answers Using Electrochemical Impedance Spectroscopy** – Venkata Palla, P. Sairam and Abhimanyu Deshpande (Halliburton). [40]	
10:30	**Proppant Suspension in Acid Emulsions for Well Stimulation** – Jason Maxey and Y.T. Hu (Halliburton) [37]	**Cement Evaluation Using Slickline Distributed Temperature Measurements** – R. Diarra, J. Carrasquilla, Y. Gonzalez, A. Friese, S. Severance, and Jim Lin (Schlumberger). [41]	
11:00	**Coating of Fracture Faces and Proppant to Enhance and Maintain Well Productivity** – P. Nguyen, L. Vo, and J. Ogle (Halliburton). [38]	**Novel Cohesive Cement Sealant System** – Kyle Combs, Larry Watters, Fred Sabins and Eric Evans (CSI Technologies). [42]	
11:30	**Characterizing the Hydraulic Fracturing Fluid Modified with Nano Silica Proppant** – Cumaraswamy Vipulanandan and Ahmed Mohammed (Univ of Houston), Qi Qu (Baker Hughes). [39]	**Evaluating Foamed Cement Slurry Stability in Laboratory Measurement** – Gunnar DeBruijn, Mohammed Dooply, Alejandro Mendiola, Alex Ahrenst and Ryan Cammarata (Schlumberger). [43]	

12:00 – 1:30	Luncheon Speaker – Dr. Eric van Oort, University of Texas, "**Fluids Automation: Past, Present and Future**" Luncheon and Awards Presentations – Luncheon sponsored by Halliburton HALLIBURTON		
1:30 – 3:00	Plenary Panel – "**Drilling Past Regulations and into New Frontiers**" Session Chair: Matt Offenbacher (M-I SWACO) Moderator: Ben Bloys (Chevron) • Glen Benge (ExxonMobil-retired) • Harry Dearing (Newpark) • Paul Javora (Baker Hughes) • Steve Baumgartner (Marathon)		
3:30 – 3:30	Break | sponsored by AquaSol | Exhibits and Student Poster Session Open | Best Exhibitor Award AquaSol		
	Room C	Room D	Gallileo Room
3:30 – 5:00	**Drilling Fluids II** Session Chairs: John Trenery (Chevron) and Dennis Clapper (Baker Hughes)	**Hydraulics & Rheology** Session Chairs: Ryan van Zanten (Shell) and Jason Maxey (Halliburton)	**Case Histories** Session Chairs: Mike Cowan (Apache) and Jay Deville (Halliburton)
3:30	**Potassium Formate / Manganese Tetraoxide Fluid for Ultra HPHT Drilling** – Mohamed Al-Bagoury and Christopher Steele (Elkem). [44]	**Enhancing Rheology in Invert Emulsion Fluids: Application of the Concept of Synergism in Chemicals** – Dhanashree Kulkarni, Sandeep Kulkarni, Sharath Savari, Shadaab Maghrabi and Vikrant Wagle (Halliburton). [47]	**A Comprehensive Approach for Drilling and Completion to Improve Production in a Shallow, Offshore Well in Indonesia** – Alexandra Morrison, Robin Stewart, Eric Davidson and Puguh Saksono (Halliburton), Miazzy Maharanoe and Reinhard Panjaitan (Total). [50]
4:00	**Transport of Soluble Drilled Cuttings** – Fabio Silva (Federal Univ of Rio de Janeiro), Luiz Calçada (Fed Rural Univ of Rio de Janeiro), André Martins (Petrobras). [45]	**The HP/HT Rheology Evaluation of Spacers** – Vivek Goel, Ron Morgan and Thomas Sodhi (Halliburton). [48]	**Optimized High-Performance Water-Based Mud Successfully Drilled Challenging Sticky Shales in a Stratigraphic Well in Saudi Arabia** – Adel Al-Ansari, Ismaeel Musa, Abdullah Abahusain and T. Olivares (Saudi Aramco), Moustafa El-Bialy and Shadaab Maghrabi (Halliburton). [51]
4:30	**Specialized Fluid Design Increases Drilling Efficiency in Deepwater Gulf of Mexico** – Brian Hosford and William Halliday (Baker Hughes). [46]	**Experimental Determination of Particle Sedimentation Velocity in Opaque Drilling Fluids** – Luila Saidler, and Bruno Loureiro (UCL), André Martins (Petrobras). [59]	**Off-Bottom Plug and Abandonment Operations in Deepwater Caribbean: Challenges and Solutions** – Nadish Gupta, Martijn Bogaerts, and Umar Arshad (Schlumberger). [53]
Alernate	**Different Effects on Microwave Drying of Drilled Cuttings** – Jéssika Santos, Marina Pereira and Carlos Ataíde (Universidade Federal de Uberlândia), André Martins, Carlos De Sa and Curt Panisset (Petrobras). [63]		

Student Posters | Posters will be presented in the Exhibit area

Student Presentations will be on Tuesday from 10:00 am to 12:00 pm and 1:30 pm to 3:00 pm (Galileo 1 Room)

Student Organizers: Adrian Angove-Rogers (ConocoPhillips) and Khai Nguyen (M-I SWACO)

Undergraduate Students

Federal University of Technology–Parana	Rheological Analysis of Gelating Drilling Fluids and its Impact on Start Up Pressures – *Ana Cruz*
West Virginia University	Fate of Gas Kick Bubbles in Oil-Based Drilling Fluids – *Ismael Sidi Mahamane*
Federal Rural University of Rio de Janeiro	An Experimental Work on Well Cementing Hydraulics – *Carolina Eulino Goncalves Pereira*
University of Alaska–Fairbanks	Lengthening the Productive Life of Wells Penetrating Alaska's North Slope Permafrost by the Optimization of Annular Fluids – *Thomas Polasek*

Graduate Students

Louisiana State University	Improved Drilling Hydraulics Calculations for Foam Drilling – *Ali Reza Edrisi*
University of Tulsa	Displacement and Mixing of Fluids in Pipe Flow – *Sukru Durmaz*
Texas Tech University	An Experimental Method to Measure the Porosity from Cuttings: Evaluation and Error Analysis – *Yang Yu*
Missouri University of Science & Technology	Wellbore Stability Analysis: Which Rock Failure Criteria to Use? – *Reza Rahimi*
University of South Carolina	Shale Gas Fracturing Fluids Containing Additives of Low Environmental Impact – *Anand Viswanath*
New Mexico Institute of Mining and Technology	Hydraulics of Time-Dependent Drilling Fluids in Pipes – *Sebastian Pivnicka*
University of Louisiana at Lafayette	Unraveling Casing Drilling Smearing: Finite Element Analysis – *Raj Kiran*
University of Oklahoma	Friction Factor Correlations for Xanthan Fluids in Rough Straight and Coiled Tubings – *Sarvesh Naik*
University of Tulsa	Mapping Loss Zone using Transient Circulating Mud Temperature in the Event of Lost Circulation – *Yuanhang Chen*
University of Louisiana at Lafayette	Predicting Mud Filtrate and Particle's Invasion Using Advanced Scanning Electron Microscopy (SEM): Implications for Bridging and Strengthening Effects – *Chinedum Ezeakacha*

The AADE would like to thank those volunteers who gave extra time for the students including evaluating abstracts, coordinating registration and reservations, judging the student posters, participating in the "Interaction with Industry Professionals" and other student events. We especially thank our Student Sponsors who generously support this endeavor and make it possible to give scholarships.

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Tuesday 8:30 am
Keynote Address
"MWD/LWD the Arteries of the Heart"

Dr. Stephen Igo

Dr. Stephen R. Igo is the Director of the Entrepreneurial Institute at the Methodist DeBakey Heart & Vascular Center (MDHVC) and Senior Associate at the Methodist Research Institute. His responsibilities include development of innovative proprietary technologies that address unmet medical needs by integrating and applying the broad expertise of MDHVC physicians and researchers in the fields of cardiovascular surgery, cardiovascular imaging, and interventional cardiology. Additionally, Dr. Igo is responsible for identifying commercially viable technologies and strategic areas for cardio-vascular device and biotechnology applications in which MDHVC can attain a leadership role. Dr. Igo received his training in Cardiopulmonary and Perfusion Technology at National Naval Medical Center and Research Institute, Bethesda, Maryland. He has held research and clinical support positions with the Texas Heart Institute and Baylor College of Medicine. Dr. Igo has authored more than 80 peer-reviewed scientific articles and presented at major medical conferences. He is co-inventor on nine granted U.S. Patents. His research interests include: design, development, and clinical application of cardiovascular devices, heart-specific drug and device delivery systems, and therapies for heart repair. Dr. Igo is a Co-Director of the Pumps & Pipes Program.

Wednesday
Luncheon Speaker
"Fluids Automation: Past, Present and Future"

Dr. Eric van Oort

Prior to his new appointment as the B.J. Lancaster Professor in petroleum engineering at The University of Texas, Dr. van Oort led a successful career at Shell Oil Co., where he most recently served as Onshore Gas Technology Manager. In this role, Dr. van Oort was responsible for the implementation of new technology in North American Onshore Gas relating to fit-for-purpose rig development for well manufacturing, frac spread optimization, water management, rig automation and remote operations. Dr. van Oort published more than 75 internal Shell reports and holds four U.S. patents and five international patents on drilling techniques and associated best practices, drilling fluids and wellbore stability, among others. His research and professional expertise include: well manufacturing technology, wells-related business planning and performance improvement, well engineering, real-time operations center activities, geomechanics/rock mechanics and production technology. Dr. Van Oort received his doctorate degree in chemical physics from the University of Amsterdam.

Wednesday 1:30 pm Plenary Panel:
"Drilling Past Regulations and into New Frontiers"

Session Chair: Matt Offenbacher, M-I SWACO

Ben Bloys - Moderator

Ben Bloys is the manager for Chevron's Technology Alliance with Los Alamos National Laboratories. He also manages Chevron's R&D program at the Tulsa University Center of Research Excellence. Ben has developed technology in a number of areas including drilling fluids, low invasion coring, drilling waste management and gas hydrates. Ben worked for 17 years at the ARCO Technology Center before joining Chevron in 2000. He holds a BS degree in chemistry from Angelo State University (1983). He has 34 technical publications, 19 patents and is a member of SPE, AADE, ACS and API.

Harry Dearing

As vice president of technology marketing for Newpark Drilling Fluids, Harry Dearing's efforts are focused on the support of Newpark's award winning Evolution® high-performance drilling fluid. In a career spanning 35 years, Dearing has worked in operations, research, and technical services. After training as a mud engineer and working for an engineering consulting firm, he joined a major oil company and worked in a number of assignments including technical services and operations. While working for Newpark from 1998 to 2008, he led the laboratory and training functions as Newpark grew into a globally-focused drilling fluids provider. After a stint as drilling engineer for an independent oil company, he rejoined Newpark in his present position in 2011. He has an engineering degree from the University of Texas.

Paul Javora

An expert in completion fluids, brines and packer fluids, Paul is the Chief Chemist for Baker Hughes and provides technical leadership in project design reviews, developing effective design review standards and practices for chemical processes. Paul has been an active participant in API, SPE, NACE and other industry committees and chaired several of the API work groups. Paul has authored 14 patents and 40+ publications on various aspects of completion technology including brines, insulating fluids, packer fluids, and filtercake cleanup. Prior to working for Baker Hughes, Paul worked for BJ Services, Dresser Magcobar, OSCA, and Texas A&M. Paul has a PhD in Inorganic Chemistry from The University of Texas at Austin

Glen Benge

Glen is a consultant and senior advisor in cementing for Baker Hughes in Tomball, Texas. Prior to joining Baker, he was with ExxonMobil for 24 years. While at ExxonMobil he served as a Senior Technical Advisor and oversaw the cementing and wellbore isolation technologies for their global drilling operations. He has a total of 37 years of industry experience associated with wellbore isolation and has authored numerous papers and texts on all aspects of cementing design, operational execution and evaluation. He is past Chairman of the API Subcommittee 10 on Cementing, and has been an active member of API SC10 for over 35 years. He currently serves as an advisor for the U.S. Department of Justice, the U.S. Department of Energy and the National Energy Technology Laboratory. Mr. Benge has authored numerous papers on cementing, most recently on Wellbore Isolation and Zonal Isolation in Carbon Capture and Sequestration projects, and Long Term Well Integrity related to Shale Gas Fracturing.

Stephen A. Baumgartner

Steve is a Senior Technical Consultant for Marathon where he is a member of the Petroleum Engineering team in Subsurface Technology. Steve provides well completion and stimulation technical and operational support for worldwide operations. His responsibilities include development, identification and implementation of new completion technologies and techniques. Steve has held positions in pressure pumping services research and development, operations, technical sales and management throughout his career and has worked and lived in several domestic and international locations. He is a graduate of Grove City College with a B.S. in Chemical Engineering. Steve has authored numerous technical papers, industry technical publications and internal technical publications on well stimulation chemistry, treatment design, execution and evaluation. He has prepared and presented numerous well stimulation and completion seminars, workshops and schools.

AADE FLUIDS 2014 HOUSTON • TEXAS

TECHNICAL CONFERENCE AND EXHIBITION

The Global Premier Drilling, Completion, Cementing and Fracturing Fluids Conference

The AADE sincerely thanks all the companies who have contributed to the success of this conference by dedicating resources and allowing their personnel time for planning, organizing, and the realization of this conference.

2014 Technical Conference Steering Committee

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SAVE THE DATE

AADE National Technical Conference
April 8-9, 2015
San Antonio Convention Center

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