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Directors 2016
Past Chair .................... Wayne Furlan, Baker Hughes
Chemical Director ...... Kiet Ong, HEXPOL Componding
Molder Director ......... Marty Loso, Precision Associates
Equipment Director ... Dalton Etherington, Utex Industries
ACS Area Director .... Bill Stahl, WMS Technologies
End-User Director ... Eric Crawford, Precision Polymer Eng.

Chairs 2016
Education ........... Charles Edwards, CNE Polymer Consulting
Elections .................. Tom Smith, Parker Hannifin
Parliamentarian....... David Gerrard, Brave Spear LLC
Publicity ................. Aliene Elkins, Sabic Innovative Plastics
Local Arrangements .... Charlie Pitts, Utex Industries
Scholarship ...... Julie Rouse Johnson, Specialty Elastomer Recovery
Veterans Scholarship ............................................. Fred Pedersen
Membership ............ Wayne Yowell, Yowell Enterprises
Registration ........... Rosalyn Adkison, CDI Energy Products

Officers 2016
Sean Djuricic
Chair
ARDL, Inc.

Andy Anderson
Vice-Chair
Eutsler Technical Prod.

Rosalyn Adkison
Treasurer
CDI Energy Products

Rupa Ramakrishnan
Assistant Treasurer
Jet Rubber

Audra Tanuz
Assistant Treasurer
James Walker Oil & Gas

Jennifer Crawley
Secretary
R.D. Abbott

The EPG Goals
The Board of Directors of the Energy Polymer Group believes its members should understand the goals of the organization. The goals presently being pursued are:

• To provide scientific, engineering and business knowledge required by our membership.
• To become a recognized technical body on the subject of engineered polymers.
• To increase end user participation in the EPG.
• To attract and educate members entering the industry.
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Coming Events...

Energy Polymer Group
January 19, 2017  Winter Technical Meeting
Houston, TX
May 18, 2017  Spring Technical Meeting
Arlington, TX
Sept. 19-21, 2017  Educational Symposium and Fall Technical Meeting
Galveston, TX

Rubber Division of the American Chemical Society
April 24–27, 2017  Technical Meeting & Symposium
Beachwood, OH
Oct. 9–12, 2017  International Elastomer Conference
Cleveland, OH

Society of Petroleum Engineers (SPE)
May 1–4, 2017  Offshore Technology Conference
Houston, TX
October 9–11, 2017  Annual Technical Conference & Exposition
San Antonio, TX

For additional information on the EPG, please visit our website at: www.energypolymergroup.org

National Association of Corrosion Engineers (NACE)
June 6–9, 2017  Conference & Expo
Las Vegas, NV

Special Status Members
Fred Pedersen – Honorary Member; Lifetime for his devotion, instigation and perseverance in establishing the EPG
Bernie Borski – Lifetime Member
Doug Carlson – Lifetime Member
Bill Costello – Lifetime Member
Edmee Files – Lifetime Member
Paul Guess – Lifetime Member
Steve Kyker – Lifetime Member
Donavan Parsons – Lifetime Member
Charles Raines – Lifetime Member
Tom Ray – Lifetime Member
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Morning Program
Moderator:
Audra Tanuz
James Walker Oil & Gas

Pressurized In-Situ Dynamic Mechanical Thermal Analysis Method for Oilfield Polymers and Composites
Yusheng Yuan and Daniel Sequera, Baker Hughes

Dynamic Viscoelastic Properties of Oilfield Elastomers: Effect of Compound Ingredients
Bonnie Stuck, Akron Rubber Development Laboratory, Inc.

Compound Development: Science, Magic or Just Good Luck?
Mark Jones, Zeon Chemicals LP

Business Meeting
Sean Djuricic, Akron Rubber Development Laboratory, Inc.
2016 Winter Technical Meeting

**Afternoon Program**

**Moderator:**
John Meser, 
Akron Rubber Development Laboratory, Inc.

---

**Compressive Stress Relaxation (CSR) as a Method to Evaluate High Temperature Sealing Performance**
Betty Huang, Baker Hughes / Center for Technology Innovation

**Measuring the Effects of Filler Variations on Compound Viscoelastic Properties as Measured by the Capillary Rheometer and the RPA**
John S. Dick, Alpha Technologies

**3D Printing of High Performance Polymers for Oil and Gas**
Rigoberto C. Advincula, Ph.D., Professor, 
Case Western Reserve University

---

Edmee Files receiving her Lifetime Member award from Sean Djuricic, EPG Chair

Don Parsons was recognized for his many years of service as Local Arrangements Chair
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Morning Program

Moderator:
Darrin Roe
Zeon Chemicals

Carbon Nanotubes: Ready for Rubber?
Steve Hoenig, Molecular Rebar Design

Impact of Carbon Nanotubes on Specialty Rubbers – HSE Aspect of Use of NC7000 and Formulated Products
Dr. Alicia Rul, Nanocyl SA

Compounding Amyloid Reinforcement Into Rubber
Justin Barone, Virginia Tech

EPG Business Meeting
Sean Djuricic, Akron Rubber Development Laboratory, Inc.
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2016 Spring Technical Meeting

Afternoon Program

Moderator
Andy Anderson,
Eutsler Technical Products

Where is the Oil & Gas Market Headed, and How It Will Affect the Energy Polymer Industry
Neil Mendes, Alpine Polytech

Levels of Leadership and Life Learnings
Randy Simpson, Hexpol Compounding

Thermoplastic Compounding and Material Selection
Jason Becker, RTP Company

How a Good Material Database Impacts Your Business
Fred Harvey, MSC Software
Creating Value at any Depth

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Staying Up-To-Date on 2016 Technology

DAY 1

Morning Moderator:
Wayne Yowell, Yowell Enterprises

Low Temperature FFKM
Philip Schild, Solvay

AFLAS: FEPM and FFKM Fluoroelastomers
David Lavanga, AGC Chemicals Americas

Arlon 3000XT
Joseph Shih, Greene Tweed

High Temperature and Steam-Resistant Elastomers
Shaun Gosselin, Gallagher Corporation

Afternoon Moderator:
Edmee Files, Oilfield Consultant

Failure Analysis
Barry Thomson, Element

A New Fluoroplastic: ECCtreme™ – ECA
Robert Smith, Fluorogistx

Effect of Molecular Weight on PEEK Performance
Nishant Negandhi, Evonik

Crack Resistance and Sealing Performance of Elastomers for High Pressure Low Temperature (HPLT) Applications
Xuming Chen, Schlumberger

The 2016 Educational Symposium featured 12 speakers, 93 attendees, and 12 table top exhibitors

Addie Shake and Ginger Glidewell, Elite Elastomers

Rosa Ana Gonzalez, Alternative Rubber and Plastics
Speaker Philip Schild, Solvay
Speaker David Lavanga, AGC Chemicals Americas
Local Arrangements Chair Charlie Pitts, Utex Industries
2016 Educational Symposium

Staying Up-To-Date on 2016 Technology

DAY 2

Moderator:
Debbie Banta,
Weatherford

Advanced Test Methods And Quality Requirements in Rubber Testing For Polymers and Rubber Used In Extreme Conditions
Ralf Baeuerlein, MonTech Rubber Testing Solutions GmbH

Advances in Control Line Fluids and How They Impact Seal Selection
Eric Handley, MacDermid

Impact of ISO/API/NORSOK External Standards
Buc Slay, Alpine Polytech

Sponsors for the food, drinks and AV equipment included LORD Corporation, R.D. Abbott, Utex Industries, Trostel, and Material and Design Solutions
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Morning Program
Moderator:
Audra Tanuz
James Walker Oil & Gas Co.

How to Use a DOE for Designing a Compound
Dana Stripe, Zeon Chemicals

State of the Art Static and Dynamic Testing Solutions for Raw Material, Mixing, Processability as well as Product Performance Characterization
Ralf Baeuerlein, MonTech

New LUVOCOM Grades of PAEK – Performance Tested Compounds for the Energy, Oil, and Gas Industry
Ted Sidoriak, LEHVOSS North America

Tire Technologies With an Eye Towards Oil & Gas Innovations
Joseph Incavo, Ph.D, Argen Polymer
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Afternoon Program

Moderator:
Jennifer Crawley,
R.D. Abbot Company

EPG Business Meeting
Sean Djuricic, EPG Chair
Akron Rubber Development Laboratory, Inc.

SWRI Energy and Polymer-Related Research:
Surface Modification and Materials Characterization
Carol Ellis-Terrell, Southwest Research Institute

A New Series of HNBR Elastomers Offer Flexibility in Compound Design
Vince Cremona, Lianda Corp

Fluoroelastomer Choices for Harsh Environments
Mike DiPino, R.D. Abbott

Amanda Remlinger and Ed Landry, Utex Industries
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Extreme temperatures, high pressures, hostile chemicals, oils, greases, acids and solvents in highly abrasive conditions. A world tailor-made for specialty, high performance elastomers from ARLANXEO. Our Therban® HNBR and Krynac® and Perbunan® NBR grades are specifically designed for exceptional service in extremely demanding environments. For more information call 1-800-526-9377 or visit www.arlanxeo.com.
Golf Outing

September 21, 2016
Silverhorn Golf Club
San Antonio, TX

Golf Coordinator
Jim Korte, Weatherford

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• Lehvoss
• Solvay
• Utex Industries

Contest Winners:
Longest Putt #4: Jim Lockard
Longest Drive: Rosalyn Adkison
Closest to Pin #7: Eric Boras
Closest to Pin #13: Jerry Robinson
Closest to Pin (2 shots): Mike Fredrick

Mark Cohn and Jeff Mathis of Harwick Standard Distribution; Pam Hanson and Eric Boras, ARLANXEO Performance Elastomers

Alan Barnes, DXP Seal Products; Neil McHale, Eagle Elastomers; Yoshimasa Masuda, Valqua America and Stephen Murphy, James Walker Oil & Gas

Darrin Roe, Zeon Chemicals; Jason Bryan, Airboss Rubber Compounding; Jim Boersen, CSI Calendering and Jason Gonzales, Moss Seal Co.

Bob Healy, Lehvoss North America; Neil Mendes, Alpine PolyTech; Brian Callahan, CDI Energy Products; Ted Siodrak, Lehvoss North America

Wayne Youell, Youell Enterprises; Rosalyn Adkison, CDI Energy Products; Billy Riemer, Diego Bolanos, Precision Polymer Engineering
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Custom Mixing
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- Cured (FKM) Extruded Goods
- Full Technical Support

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EPG Dinner

September 21, 2016
Casa Rio Restaurant
San Antonio, TX

Iman Bahrani, OMYA and Aliene Elkins of SABIC Innovative Plastics

Eric Handley, MacDermid Offshore Solutions and Neil McHale, Eagle Elastomer

Registering the dinner guests were Charmaine Leigh Albert of Arefco Seals Utex and Audra Tanuz of James Walker Oil & Gas

Paul Guess and Alan Guess of Elite Elastomers

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The Energy Polymer Group (EPG) is proud to announce that up to five scholarships will be awarded in 2017 to qualified candidates sponsored by a member of the EPG. These will be divided between the EPG Merit Scholarship program and the Memorial Scholarship program, as appropriate.

The EPG Memorial Scholarship is designed to provide incentive and financial support to deserving, full time college students. Those enrolled in any accredited four year Bachelor of Science program, majoring in Engineering or the Applied Sciences are eligible. Each scholarship will be in the amount of $3000 and will be awarded in two installments of $1500 providing grades are maintained at an acceptable level (B average or better). These scholarships may be applied for in successive years and are awarded based on overall performance as judged by the committee.

The EPG Merit Scholarship is designed to give incentive and financial assistance to deserving high school seniors who are enrolling as a full time student in an accredited four year Bachelor of Science program, majoring in Engineering or the Applied Sciences. Scholarships are in the amount of $3000 and will be awarded in two installments of $1500 payable at the beginning of the first two semesters. Payment for the second semester will be made available providing grades are maintained at an acceptable level (B average or better). These scholarships are awarded to high school seniors entering their first year of college. Applicants are judged on scholastic achievement with consideration given to extra curricular activities. SAT scores will be used in case of ties. The following year, recipients of the EPG Merit Scholarships are eligible to be considered for Memorial Scholarships, if they re-apply.

To be eligible for either the EPG Memorial or Merit awards, the applicant must be sponsored by a bona fide member of the Energy Polymer Group, so defined as a dues paying member in good standing for at least one year and one who has attended at least one meeting during the year. Energy Polymer Group members are also eligible for the scholarships if all conditions are met.

Applications must be made in writing or over the internet to the Scholarship Chairperson and received no later than March 1, 2017. Written application forms must be sent by certified mail. Scholarship awards will be announced at the Spring meeting of the EPG. Applications and full requirements are available on the EPG’s web site: www.energypolymergroup.org

Our appreciation is expressed to the students, sponsors and scholarship committee for their commitment to education.

Please review the scholarship information below and assist someone in obtaining knowledge which will benefit everyone in the future. The Scholarship application form can be found online at the EPG website.

### Energy Polymer Group Scholarship Program

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### Veterans Scholarship Program

Scholarship applicants must be an honorably discharged veteran. Members of the Energy Polymer Group are also eligible to receive a veterans scholarship.

**2016 Scholarship Recipients**

- Joshua Pedersen...$1500
- Cliff Meyer...$1500

Applications must be received by Veterans Scholarship Chair Fred Pedersen no later than March 31, 2017

fpedersen@neo.rr.com

Awards will be announced at the Spring meeting of the EPG. Applications and full requirements are available on the EPG’s web site: www.energypolymergroup.org
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February 2017 marks the second anniversary of **CNE Polymer Consulting**. Founder Charles Edwards uses his 44 years of experience in elastomers and plastics to provide training and consultation services to his clients. Consultation includes marketing, material selection, failure analysis, quality assurance, testing and compound development. Charles is active with API 20L, ISO 23936 and the EPG Educational Symposium.

**Longwood Elastomers** has added three new thermoset presses as well as a rubber vacuum press at its manufacturing facility in Brenham, TX. These equipment additions increase Longwood’s capacity and help to better position the company for growth opportunities as the market begins to take a positive turn.

**R.D. Abbott** featured its latest technical innovations at the 2016 International Elastomer Conference, including LORD® In-Mold Bonding Adhesive Technology for silicone-thermoplastic overmolding and 3M™ Fused Silica as a safer substitute for crystalline silica. To learn more, visit www.rdabbott.com/ec2016.

Steve Jagels has joined **H.M. Royal, Inc.**, a leading supplier of materials to the polymers industry. Steve will be marketing and developing new business in critical materials such as rubber-to-metal bonding adhesives, fluoropolymers, and advanced fillers. Steve brings years of experience of technical service, marketing and sales solving difficult problems in non-metallic applications.

Neil Mendes, CEO of **Alpine Polytech** is invited to speak at the AMI 2017 conference this summer. He will present “Where Is the Oil & Gas Market Headed, and How Will it Affect the Energy Polymer Industry” and will examine the latest trends and developments in the oil and gas upstream business with an emphasis on the North American unconventional plays.

**William Stahl** (Rainbow Master Mixing, Akron Ohio) is the 2017 chair of the Rubber Division of the American Chemical Society. Bill has been a member of the Energy Polymer Group since the early 1990’s. He also has served as the EPG area director to the Rubber Division for the last 12 years.

After 40+ years dealing with polymer formulation, processing, material recommendation, compound compatibility evaluations and product evaluation, **Jim Goodson** has established **J Goodson Polymer Consulting**. For businesses beginning to recover from the downturn but not quite ready to take on full time technical help, please contact Jim at JGoodson605@earthlink.net

The **Wabtec Elastomers Group** announces the promotions of Darren Beatty to Vice President and General Manager, and Curtis McClarrock to Vice President of Sales, Marketing and Operations. Longwood Elastomers has also named Swaroop Sosale General Manager and Bill Clanahan has rejoined the Engineering Group at the Brenham, TX location.

**Precision Associates**, a leading manufacturer of rubber seals and molded components recently developed two materials for sour service that are qualified to API 6A and ISO 10423 for Material Class FF/HH 10% H2S. Compound 608905 (90 Viton®) is also RGD Resistant and 9905 (90 FKM) rated for Extreme Low Temp.

**Alpha Technologies** introduces the Premier™ MV. With an all-new compact design, the Premier™ MV features multi-zone stress relaxation analysis and a 45% reduction in cooling time compared to previous models. These updates, along with the new user interface, place the Premier™ MV at the forefront of viscometers in today’s market.

---

**CNE Polymer Consulting, Inc.**

Charles Edwards – the go-to person for elastomer and plastic materials consulting and training:

A comprehensive knowledge of seal evaluation, selection, qualification and manufacturing.

A willingness to work with clients and a determination to find solutions on a timely basis.

A culmination of more than thirty-five years in the oil and gas industry with a commitment to quality and satisfaction.

A member of ISO-23936 and API-20L Committees – a desire to provide the latest and most accurate technical information.

**CNE Polymer Consulting, Inc.**
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ARTICLE I

SECTION 1: The name of the Organization shall be "The Energy Polymer Group, Inc." a non-profit corporation, hereinafter referred to as the "GROUP".

SECTION 2: The GROUP headquarters shall be in the County of Tarrant, State of Texas, with the principal office location being determined by the Board of Directors.

SECTION 3: The GROUP shall be a Subdivision of the Rubber Division of the American Chemical Society, hereinafter referred to as the "DIVISION".

SECTION 4: The GROUP shall operate on a calendar year beginning January 1 and ending December 31.

ARTICLE II

GOALS

The goals of the Energy Polymer Group are:

1. To provide scientific, engineering, and business knowledge required by our membership.
2. To become a recognized technical body on the subject of engineered polymers.
3. Increase end user participation in the Energy Polymer Group.
4. Attract and educate members entering the industry.

These goals shall be read at the beginning of all GROUP meetings.

ARTICLE III

MEMBERSHIP

SECTION 1. ACTIVE MEMBERSHIP

Any person associated with elastomers, plastics, composites, or other industries used in energy related parts or services is eligible for membership in the GROUP. Membership shall be for one year upon completion of an application form and remittance of the required dues. Membership is renewed annually by payment of dues in the amount set by the Board of Directors.

SECTION 2. HONORARY MEMBERSHIP

Persons of prominence or outstanding service to the GROUP may be granted honorary membership in the GROUP by unanimous decision of the Board of Directors, with full privileges, and without liability for dues or registrations for Technical Meetings and Educational Symposium Meetings.

Any member of the GROUP in good standing may submit in writing to the Secretary the name of the person for whom the honorary membership is to be considered and state the reason. The Secretary shall submit that document to the Board of Directors at the regular Director's meeting for approval. Upon approval, the member shall be notified of Honorary Membership status by the Secretary.

SECTION 3. LIFE MEMBERSHIP

Members of the GROUP retired from the industry, whose membership has remained in good standing shall become eligible for life membership in the GROUP, with full privileges, and without liability for dues or registrations for Technical Meetings and Educational Symposium Meetings. The membership Chair shall submit names to the Board of Directors at the regular Director's meeting for approval.

ARTICLE IV

ANNUAL DUES

SECTION 1. The dues amount shall be approved by the Board of Directors. The dues shall be payable at the beginning of the calendar year and non-refundable.

ARTICLE V

BOARD OF DIRECTORS

SECTION 1. OFFICERS

The officers of the GROUP shall be: Chair, Vice-Chair, Secretary, Treasurer, and Assistant Treasurer. See Article VII, Section 4.

SECTION 2. DIRECTORS

In addition to the above-named officers, the Board of Directors shall consist of five voting Directors, to be designated as follows:

1. Chemical Director representing suppliers of polymers, chemicals, and compounds
2. Fabricator Director: representing producers and suppliers of fabricated polymer products
3. Equipment Director: representing equipment manufacturers that use fabricated polymer products
4. End-User Director: representing users of equipment that contain fabricated polymer products
5. ACS Rubber Division Area Director

In addition to these voting directors, several non-voting positions will assist in the direction and operation of the GROUP. These positions shall be designated as:

1. Immediate Past Chairman
2. Committee Chairs

SECTION 3. TERMS OF OFFICE

Chair, Vice-Chair, Secretary, Treasurer, and Assistant Treasurer are elected to one (1) year terms as stated in Article VII, Section 1. Responsibility for these positions will commence at the January Board of Directors meeting.

Chemical, Fabricator, Equipment, and End-User Directors are elected to two (2) year terms as stated in Article VII, Section 1. Responsibility for these positions commence at the January Board of Directors meeting.

The ACS Rubber Division Area Director is elected by the DIVISION membership to a three (3) year term.

SECTION 4. QUALIFICATIONS & DUTIES OF THE INDIVIDUAL OFFICERS & DIRECTORS

All officers and directors shall observe and exercise the duties and responsibilities of the BOARD OF DIRECTORS under applicable provisions of Texas Corporation Law.

CHAIR

The Chair shall preside at meetings of the Group and shall call and preside at meetings of the Board of Directors. Except for the nominating and program committees, the Chair shall recommend for Board approval the Chairmen of all committees as described in these By-Laws and any other committees that are necessary to conduct the business of the GROUP (see Article VII, Section 1).

VICE-CHAIR

The Vice-Chair shall assist the Chair, and shall assume the duties of the Chair in the absence of that officer. In the event the office of the Chair is vacated, the Vice-Chair shall fill the remaining term. At the termination of a year in office, the Elected Vice-Chair shall succeed to the office of Chair. The Vice-Chair shall also serve as Technical Program Chair. If this position is vacated, the board of Directors shall elect a Vice-Chair to fill the remainder of the term (per Article VI, Section 5). This appointee will not succeed to the Office of Chair unless elected by the group (See Article VII, Section 1 and/or Section 5).
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- Needville, TX 77461
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Please note that all presentations may not be available.

**Educational Symposium**

**September 20-21, 2016**

**Staying Up-To-Date on 2016 Technology**

**Coordinator:** Charles Edwards, CNE Polymer Consulting

- **Low Temperature FFKM**
  - Philip Schild, Solvay
- **AFLAS: FEPM and FFKM Fluoroelastomers**
  - David Lavanga, AGC Chemicals Americas
- **Arlon 3000XT**
  - Joseph Shih, Greene Tweed
- **High Temperature and Steam Resistant Elastomers**
  - John Chase, Greene Tweed
- **Failure Analysis**
  - Barry Thomson, Element
- **A New Fluoroplastic: ECCtreme™ — ECA**
  - Robert Smith, Fluorogistx
- **Effect of Molecular Weight on PEEK Performance**
  - Nishant Negandhi, Evonik
- **Crack Resistance and Sealing Performance of Elastomers for High Pressure Low Temperature (HPLT) Applications**
  - Xuming Chen, Schlumberger
- **Advanced Test Methods And Quality Requirements in Rubber Testing For Polymers and Rubber Used In Extreme Conditions**
  - Ralf Baueuerlein, MonTech Rubber Testing Solutions GmbH
- **Impact of Molecular Weight on PEEK Performance**
  - John S. Dick, Alpha Technologies

**Meeting Coordinator:** Charles Edwards, CNE Polymer Consulting

- **Measuring the Effects of Filler Variations on Compound Viscoelastic Properties as Measured by the Capillary Rheometer and the RPA**
  - John S. Dick, Alpha Technologies
- **3D Printing of High Performance Polymers for Oil and Gas**
  - Rigoberto C. Advincula, Ph.D., Case Western Reserve Univ.

**May 26, 2016**

**Meeting Coordinator:** Andy Anderson, Eutsler Tech. Products

- **Carbon Nanotubes: Ready for Rubber?**
  - Steve Hoenig, Molecular Rebar Design
- **Impact of Carbon Nanotubes on Specialty Rubbers - HSE Aspect of Use of NC7000 and Formulated Products**
  - Dr. Alicia Rul, Nanocyl SA
- **Compounding Amyloid Reinforcement Into Rubber**
  - Justin Barone, Virginia Tech
- **Where is the Oil & Gas Market Headed, and How It Will Affect the Energy Polymer Industry**
  - Neil Mendes, Alpine Polytech
- **Levels of Leadership and Life Learnings**
  - Randy Simpson, Hexpol Compounding
- **Thermoplastic Compounding and Material Selection**
  - Jason Becker, RTP Company
- **How a Good Material Database Impacts Your Business**
  - Fred Harvey, MSC Software

**Meeting Coordinator:** Andy Anderson, Eutsler Tech. Products

- **How to Use a DOE for Designing a Compound**
  - Dana Stripe, Zeon Chemicals, L.P.
- **State of the Art Static & Dynamic Testing Solutions for Raw Material, Mixing, Processability as well as Product Performance Characterization**
  - Ralf Baueuerlein, MonTech
- **New LUVOCOM Grades of PAEK – Performance Tested Compounds for the Energy, Oil, and Gas Industry**
  - Ted Sidioriak, LEHVOSS North America
- **Tire Technologies With an Eye Towards Oil & Gas Innovations**
  - Joseph Incavo, Ph.D., Argen Polymer
- **SWRI Energy and Polymer-Related Research: Surface Modification and Materials Characterization**
  - Carol Ellis, Southwest Research Institute
- **A New Series of HNBR Elastomers Offer Flexibility in Compound Design**
  - Vince Cremona, Lianda Corp
- **Fluoroelastomer Choices for Harsh Environments**
  - Mike DiPino, R.D. Abbott

**September 22, 2016**

**Meeting Coordinator:** Andy Anderson, Eutsler Tech. Products

- **How to Use a DOE for Designing a Compound**
  - Dana Stripe, Zeon Chemicals, L.P.
- **State of the Art Static & Dynamic Testing Solutions for Raw Material, Mixing, Processability as well as Product Performance Characterization**
  - Ralf Baueuerlein, MonTech
- **New LUVOCOM Grades of PAEK – Performance Tested Compounds for the Energy, Oil, and Gas Industry**
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  - Vince Cremona, Lianda Corp
- **Fluoroelastomer Choices for Harsh Environments**
  - Mike DiPino, R.D. Abbott
We, the members of The Energy Polymer Group, Inc., recognize our responsibilities and obligations to promote the public welfare and to maintain honorable, fair and friendly relations among people.

Antitrust Statement
Section 1: The Energy Polymer Group, a subdivision of the Rubber Division, ACS, is a professional society of members who function as individuals and not as agents or representatives of any organization with which they may be associated.

It is the strict policy of the Division, in all its meetings, to adhere to its objective to promote the education, professional growth and betterment of those individuals associated with the rubber and associated industries. This policy is essential to avoid violating federal and state antitrust laws. It is the policy of the Energy Polymer Group and its members not to: (1) illegally agree or conspire to take any action that constitutes price fixing, or to discuss, consider or debate prices and production costs, production targets, market allocation or division; (2) illegally agree or conspire to take action or engage in discussion relating to the boycott, refusal to deal with, or exclusion of competitors; (3) illegally agree or conspire to improperly set or discuss standards or codes or ethics that unreasonably inhibit or restrict competition; and (4) not to engage in or discuss any other subject prohibited by the antitrust laws.

If there are any violations of this policy, the offending member will be ruled out of order immediately and appropriately disciplined if necessary, and any action taken in violation of this policy immediately will be null and void, and a record minute will be made to that effect.
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Our Numbers Are Down, but Let’s Remain Optimistic!

Glenn Johnson, Publisher

When I was about thirteen years old, I entered the Optimist Oratorical Contest in my hometown of Temple, Texas. The challenge was to write, memorize, and present a five minute speech to the local Optimist Club. I have no idea what I talked about that day a half century ago, but I do recall winning the contest. Well, let’s just say they chose me over the other two guys. It is not easy being an optimist. My dad, who was a member of the crosstown Lions Club, was an incredibly upbeat person his entire 84 years. Even on his death bed he thought he could shake it off. Thankfully, I inherited that optimistic gene, but truth be told, I also have a pessimistic side, especially when it comes to the Dallas Cowboys winning the Super Bowl again or the Texas Rangers ever winning the World Series.

So here we are, at the end of 2016, having endured another very challenging year for the energy industry. Many of us have seen this movie before. I was the assistant advertising manager for a large oilfield-related company back in the early 80s, well, at least up until the day my boss walked into my office and said “It’s been good knowing you.” I cried so hard when he walked out that I had to close the door. Growing up, I was always told by my dad that if you work hard and do a good job, your company will take care of you. Well, you learn some lessons the hard way, and that day was one of those lessons.

With that in mind, let’s look at the past three years for the Energy Polymer Group:

<table>
<thead>
<tr>
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<th>2014</th>
<th>2015</th>
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<tbody>
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<td>Members</td>
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<td>Winter Technical Meeting</td>
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<td>353</td>
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<td>Number of Yearbook / Directory Ads</td>
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<tr>
<td>Number of Yearly Sponsors</td>
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For me, the above numbers reveal a couple of things:
1. We have shed a number of members, and consequently the attendance at our meetings has dropped. But that is to be expected of any organization that deals in a cyclic industry.
2. In spite of the downturn, our yearbook ads and sponsors remain fairly consistent, which indicates that the core element of the Energy Polymer Group remains strong.

Is there reason to be optimistic? Absolutely! We just have to keep the faith, and never forget that if companies in our group are willing to continue offering their annual support in the down times, they are well-deserving of receiving your support — anytime.

Sincerely,

Glenn Johnson
Publisher, EPG Yearbook/Directory

[glenn@glennjohnson.com](mailto:glenn@glennjohnson.com)
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