2014 FOUNDATION REPORT

SOCIETY OF EXPLORATION GEOPHYSICISTS FOUNDATION
The SEG Foundation proudly supports your profession and your society, the Society of Exploration Geophysicists.

The Foundation thanks and acknowledges the generosity of our volunteers and SEG staff for their contributions to this year’s report. The Foundation also thanks our great students and professionals for sharing their photos and expertise during the year.

Cover photo: Yanjun Hao, Southern Methodist University, Rest in the Bright Spot, Utah, U.S.A.
From the Chairman

The Society of Exploration Geophysicists Foundation is a subsidiary of SEG. Our mission is fund raising for SEG programs to enhance the goal of Advancing Geophysics Today and Inspiring Geophysicists for Tomorrow. Our board members have a passion for geophysics and for the success and growth of the Foundation and SEG.

Highlights of our 2014 fund-raising are:
The Foundation received $4 million in donations from corporations, geophysical societies, and individuals. We transferred $2.3 million dollars to SEG for 16 programs, especially for students and early-career geophysicists.

We welcomed:
- Halliburton’s new program EVOLVE, which will emphasize multidisciplinary integration of geophysics to prepare students and early-career professionals to learn teamwork.
- AAPG joining Geoscientists Without Borders®, a premier program that had 10 active humanitarian projects during 2014.
- Total’s sponsorship of an Excellence Scholarship Program to benefit European graduate students.

The Foundation awarded 173 scholarships with a total value of $590,750 — a record. The funds were from corporations, scholarship endowments, local geophysical societies, and individuals. We have increased requests for Field Camp support. The Student Education Program and Student Leadership Symposium continued their excellence. Distinguished and Honorary Lectures had approximately 10,000 attendees in 2014. Challenge Bowl, DISC, and e-learning are doing very well.

Check out the SEG Web site for the expanded SEG Wiki. It now includes Robert E. Sheriff’s Encyclopedic Dictionary of Applied Geophysics, fourth edition, and Öz Yilmaz’s Seismic Data Analysis.

All SEG members should consider an annual contribution to the Foundation. Our Doddlebugger Gift Program can be used for donations from $100 to $999, and our High Velocity Gift Program can be used for donations from $1,000 to $9,999. See “Donate” on the SEG.org Web page and click on “Annual Fund” to make a donation — it’s easy and tax deductible. You will make a difference. We encourage mid-career and late-career geophysicists to join the Foundation Trustee Associates with a gift of $10,000 in one payment or over five years.

Finally, I thank the members of the SEG Foundation Board of Directors for their dedication to raise funds for SEG. Special thanks to all SEG members who contributed to the SEG Foundation during 2014.

You are making a difference.

Mike Forrest
The SEG Foundation proudly supports your profession and your society, the Society of Exploration Geophysicists.

Mission of the SEG Foundation

“The SEG Foundation advances geophysics today and inspires geoscientists for tomorrow through funding innovative activities and grant programs that benefit geophysicists, their professional community, the Society of Exploration Geophysicists and the general public.”

Mission of the Society of Exploration Geophysicists

“Connecting, inspiring, and propelling the people and science of geophysics.”
2014 SEG Foundation

Contents

4 Financial Highlights
7 Grants to the Geophysical Community
8 Geoscientists Without Borders®
10 Scholarships
12 Field Camp Grants
13 Travel Grants
15 Grants to the Society of Exploration Geophysicists
16 Distinguished Programs
22 SEG On Demand
24 SEG Wiki
26 Student Membership Dues
28 Student Programs
28 International Geosciences Student Conference
29 SEG/ Chevron Student Leadership Symposium
30 SEG/ ExxonMobil Student Education Program
31 SEG/ Halliburton EVOLVE
32 Student Chapter Book Program
32 International Science and Engineering Fair Awards, Sponsored by Dick and Fran Baile
33 Leadership
34 Board of Directors
35 2014 Committees
36 Corporate Investors
37 Trustee Associates
39 High Velocity
39 Doodlebugger Society
40 Program-designated Donations
41 Matching Employers
41 Established Endowments
42 2014 Grant Recipients and Program Participants
43 Scholarship Recipients
45 GWB Grant Recipients
46 Travel Grant Recipients
49 Challenge Bowl Champions
49 Best Student Paper Award
50 Field Camp Grants
50 Student Chapter Faculty Advisor Support
51 Hilterman Student Chapter Book Program
Financial Highlights
Total Assets
The Foundation’s assets increased to $25,131,727 by year-end 2014.

Contributions
Contributions of $4,040,544 were received in 2014. Development activity during 2014 focused on growing new relationships with corporate and individual donors. The Foundation sought new partnerships to develop an early-career education program, resulting in the new EVOLVE program supported by Halliburton. In 2014, 14 new Trustee Associates pledged $10,000 or more each to the Foundation’s Annual Fund. Forty-one existing Trustee Associates became Sustaining Trustee Associates by giving an additional $2,000 or more to the annual fund. Annual donors at the $100–$999 level are recognized in the “Doodlebugger” donor club. Annual Fund donors at the $1,000–$9,999 level are recognized in the “High Velocity” donor club.
Grants
Grants of $2,398,895 were made in 2014 in support of 16 SEG Programs. Programs receiving support include: scholarships, Geoscientists Without Borders®, field camp grants, student travel grants, student and early career programs, distinguished lecture programs, and online education.

Development Efficiency
A commonly used metric for monitoring fund-raising efficiency is the “Fund-raising Ratio,” which compares development expenses to contributions received. According to Charity Navigator’s “Top 10 best practices of savvy donors” (www.charitynavigator.org), the most efficient charities spend less than 25% on fund-raising and administrative fees. For 2014, the SEG Foundation is proud to report a fund-raising ratio of 11%.
Grants to the Geophysical Community
Geoscientists Without Borders®

Geoscientists Without Borders® (GWB) is a humanitarian program that transforms lives in developing and vulnerable communities while promoting the importance of geosciences beyond the realm of oil and gas. By design, each project involves students. They are the heart of the program and the near-future industry leaders.

To date, the program has awarded 23 projects in 21 countries.

The approved GWB Business Plan for 2013–2015 identifies expansion goals and actions necessary to achieve increased funding, outreach and marketing growth, and development of robust metrics to evaluate projects and assure effectiveness. Many of the growth opportunities are dependent on raising additional financial support.

The SEG Geoscientists Without Borders® (GWB) program made significant advances in several aspects during 2014.

- The Geoscientists Without Borders® (GWB) was honored as the winner of the 2014 World Oil Award in the category for best outreach program.
- The Geological Society of America renewed its Level 1 partnership with GWB.
- The AAPG Foundation became the first Level 2 Partner of GWB.
- GWB initiated quarterly program webinars.

The GWB Technical Committee reviewed 22 proposals in 2014. Three new projects were selected.

- The University of Kentucky will conduct benthic habitat mapping to improve fisheries conservation at Lake Tanganyika.
- Universidad Nacional de La Plata will assist the rural community of Mirafl ores, Argentina, in water purification and will provide a detailed characterization of its groundwater resources.
- The Association of Geophysicists and Environmentalists of Serbia will assess the slope-failure potential of selected areas of Herzegovina, Serbia, and Bosnia for use by civil authorities in rebuilding infrastructures.
“The AAPG Foundation is excited to support Geoscientists Without Borders® (GWB),” said AAPG Executive Director David Curtiss. “Supporting geologic initiatives that also help provide communities with healthier places to live is of real value to us. The global aim and application of the humanitarian aspects of geoscience are efforts we can truly be proud of.”

“My view is that it [the GWB committee] is the most important committee that one can serve on for SEG. This committee has the opportunity to make a difference in the lives of people around the world. We have the opportunity to improve the quality of life for some of those in greatest need. How often can you say that, either in your personal life or your professional life?”

– Bill Doll, chairman, 2014 GWB Committee

“Geoscientists Without Borders® is a premier humanitarian program that benefits those far beyond the SEG — a truly global outreach project that has been rightfully recognized,” said SEG President Christopher Liner.

Ground-penetrating radar was used to map the warrens of southern hairy-nosed wombats in South Australia.

Studying the effects of persistently degassing volcanos in Nicaragua.
Scholarships

Since its inception in 1956, the SEG Scholarships Program has helped advance geophysics today and inspire geophysicists for tomorrow. Approximately $7 million in scholarship money has been awarded to date to the top geosciences students in the world. From freshmen just beginning their education to Ph.D. students doing research to advance the field, SEG scholarship awardees are recipients of the most prestigious geoscience scholarships in the world. They are the beneficiaries of donations made from members, their employers, SEG Sections and Associated Societies, and memorial funds established to honor colleagues, friends, and family member of geophysicists.

In 2014, the SEG scholarship program awarded a record $590,750 to a total of 173 students, freshman to Ph.D. students, studying in universities in 14 countries across the globe. Funding for their scholarships was provided by the donations of 18 corporations, 46 individuals, and 17 regional societies.

A record number of 726 applications was reviewed by the volunteer Scholarship Committee. Each committee member ranked applicants for merit, based on information provided in the applications. Individual rankings were compiled, and a composite forced ranking was created to determine the highest-qualified applicants in each of six categories (freshman, undergraduate, and graduate, each divided into North American and international). The North American freshmen applicant category saw the greatest growth, with an increase of 2.5 times over the previous year. The committee considered the specific selection criteria for each of the individual scholarships and carefully matched qualified applicants, in some cases with the assistance of advisory boards who provided feedback and recommendations on applicants. All scholarships are based on merit, ensuring that the top geoscience students in the world are honored and awarded.

The Scholarship Committee anticipates another record year for scholarships and seeks to further increase the global reach of the program with the 2015 awards.

2014 Scholarship Committee members: David McAdow, chair; Dana Enciu; Andreas Rüger; Zhaobo Meng; Ron Kerr; Camelia Knapp; Bruce Mattocks; and Karl Schleicher.
Foundation Donor Funded Scholarships:

Alexander Mihai and Catherine Popovici Endowed Scholarship Fund
Anadarko/SEG Scholarship
Andreas Cordsen Scholarship
Aubra Tilley Endowed Scholarship Fund
Billy F. Mitcham Sr. Memorial Endowed Scholarship Fund
Charlie and Jean Smith Endowed Scholarship Fund
Dallas Geophysical Society Endowed Scholarship Fund
Debra and Mark Gregg Endowed Scholarship Fund
DGS/Karen Kellogg Shaw Memorial Scholarship
Donald and Nancy Frye Endowed Scholarship Fund
EAGE/SEG/Thomsen/BP Endowed Scholarship Fund
ExxonMobil Upstream Research Co. Endowed Scholarship Fund
Frans and Alice Hammons Endowed Scholarship Fund
Fred and Kathi Hilterman Endowed Scholarship Fund
Geophysical Society of Alaska Scholarship
Geophysical Society of Oklahoma City Scholarship
Geophysical Society of Tulsa/SEG Endowed Scholarship Fund
GSH/Carlton-Farren Endowed Scholarship Fund
GSH/Hugh Hardy Endowed Scholarship Fund
J. E. White Memorial Scholarship
John D. Delbridge Memorial Endowed Scholarship Fund
KEGS Ontario/SEG Scholarship
KEGS/Phillip Hall of Memorial/SEG Scholarship
Keith Wrolstad Memorial Scholarship
Kenneth L. Zonge Endowed Scholarship Fund
Michael Bahorich/SEG Scholarship
Michael C. Forrest Endowed Scholarship Fund
Michael T. Spradley Memorial Scholarship Fund
Richard and Rolande Lockhart Scholarship
Robert E. and Margaret S. Sheriff Endowed Scholarship Fund
Rodney Cottrell Scholarship
SEG 75th Anniversary Scholarship
SEG Foundation General Scholarship
SEG Foundation/Apache Scholarship
SEG Foundation/BP Scholarship
SEG Foundation/ Marathon Oil Scholarship
SEG/Barbara McBride Memorial Endowed Scholarship Fund
SEG/Chevron Endowed Scholarship Fund
SEG/David Bartel Endowed Scholarship Fund
SEG/David E. Lumley Endowed Scholarship Fund in Energy and Environmental Science
SEG/David R. Lammlein Endowed Scholarship Fund
SEG/David W. Worthington Endowed Scholarship Fund
SEG/Denver Geophysical Society Endowed Scholarship Fund
SEG/EAGE/Thomsen/BP Endowed Scholarship Fund
SEG/ENI Scholarship (AGIP)
SEG/Excel Geophysical Services Endowed Scholarship Fund
SEG/Henry Bates Peacock Endowed Scholarship Fund
SEG/Ian G. Jack Endowed Scholarship Fund
SEG/J. Richard and Shirley Hunt Sponsored Scholarship Fund
SEG/Jack and Catherine Threet Endowed Scholarship Fund
SEG/James and Ruth Harrison Endowed Scholarship Fund
SEG/James L. Allen Endowed Scholarship Fund
SEG/John Bookout Scholarship
SEG/John R. Butler Endowed Scholarship
SEG/Keith Wrolstad Scholarship
SEG/Landmark Endowed Scholarship Fund
SEG/Lucien LaCoste Scholarship
SEG/Marvin and Jane Hewitt Endowed Scholarship Fund
SEG/Norman and Shirley Domenico Endowed Scholarship Fund
SEG/P. C. Havens/Seismic Exchange, Inc., Endowed Scholarship Fund
SEG/Permian Basin/Debbie Masson Lawrence Scholarship
SEG/Permian Basin/Martha George Scholarship
SEG/Permian Basin/Theodore O. Schmidt Scholarship
SEG/Schlumberger Scholarship
SEG/Shelly E&P Scholarship
SEG/Thomas A. Mazza Memorial Scholarship
SEG/Ulrich Schmucker Scholarship
SEG/WesternGeco Endowed Scholarship Fund
SEG/WesternGeco/Carl Savit Endowed Scholarship Fund
SEG/WesternGeco/Henry Salvatori Endowed Scholarship Fund
Shirley and Stanley H. Ward Scholarship
Ted Born Memorial Scholarship
In 1993, the Field Camp Grant program was established by the SEG Foundation to provide seed money for geophysics faculty members and SEG Student Chapters to create and support field courses which give students hands-on experience with data collection and analysis using geophysical instruments and software applications. The program started with two grants of $10,000 each to two field camps in the United States. With the generous support of donors, the program has grown to better reflect the global nature of the SEG membership.

The 2014 grant application process yielded a record number of applications and requests for funding. The Field Camp Committee received 28 applications for review, requesting a total of $348,153. From the submitted applications, the committee selected 16 to receive awards totaling $120,038, also a record. Awards ranged from $1,750 to $20,000. The award amounts averaged approximately 58% of the total funds requested by the applicants, with two projects receiving 100% of the funds requested. Awards were given to help sponsor field camps in Canada, Germany, Indonesia, Kenya, Russia, Serbia, South Africa, and Switzerland. In total, 882 students participated in field camps sponsored in whole or in part through funding provided by donors to the Field Camp Grant Program.

The review committee used new scoring criteria for the 2014 review to ensure greater attention was given to health, safety, security, and environment (HSSE) as part of the students’ educational experience. Additional work is being done to increase students’ awareness of HSSE issues in the field, using resources provided by the SEG HSSE Committee.

2014 Field Camp Committee members: Morgan Brown, chair; Katherine Schwarz; Tim Maciejewski; John Lane; Steve Sloan; Madeline Lee; Nawfel Gahrieni; and Justin Simmons.
Travel Grants

All Travel Grants
SEG Travel Grants provide special opportunities for students to attend educational and professional networking events that are instrumental in advancing their careers in geophysics. Often, Travel Grants are the bridge between their lives as students and their lifelong connection to the Society of Exploration Geophysicists. A fully funded Travel Grant covers the cost of travel, accommodations, meals, and incidental expenses. Most students would not be able to join the activities of SEG without this support. Because Travel Grant recipients, both domestic and international, often remain connected throughout their career, SEG has the opportunity to be truly global. Travel Grant opportunities are available through SEG Annual Meetings, Expos, and Challenge Bowl Finals.

A total of 387 applications were received in 2014 for 161 awarded travel grants. Although 30 applicants were awarded the SEP-Africa opportunity, due to safety concerns, the program did not take place. To make up for this case, the regular 30 available seats was increased to 45. In the end, 33 participants were awarded the travel grant opportunity and 10 non-travel grant applications were also accepted.

As the number of Student Chapters continues to grow, so does the work of the Travel Grants Committee. For this reason, the committee has been increased to 16 members. Their review of 2015 travel grants started in February 2015.

Foundation Annual Meeting Travel Grants
The SEG Foundation Annual Meeting Travel Grant awarded 15 travel grants. Applicants from eight countries and representing 10 nationalities presented abstracts at the Annual Meeting Technical Program in Denver. In all, 31 students applied to receive this opportunity.

A total of $23,000 in SEG Foundation Travel Grant money helped students to defray the costs of travel, accommodations, and meals. The Foundation Annual Meeting Travel Grant program is funded by the Rutt Bridges Annual Meeting Travel Grants Endowment, the Student Support Endowment, and the SEG Foundation through donations to the program from individuals and corporations.
Challenge Bowl Finals
A record 13 regional teams from around the world pitted their geologic knowledge in this year’s nail-biting Ninth Annual Challenge Bowl Finals, held on 20 October 2014 at the SEG Annual Meeting in Denver, Colorado. Contestants hailed from the University of the Witwatersrand and Cape Town (South Africa), University of Pisa (Italian), University of Arizona (Rocky Mountain), University of Houston (Gulf Coast), University of Oklahoma (Sooner), University of Dar es Salaam (East Africa), Chengdu University of Technology and University of Science and Technology of China (China), Sultan Qaboos University (Middle East), University of Calgary (Canada), Federal University of Technology, Owerri (African), Adam Mickiewicz University and AGH University of Science and Technology (European), Universidad Nacional de Colombia (Latin America), and Cochin University of Science and Technology and Indian School of Mines, Dhanbad (India). Paulina Kotlarek and Batosz Gierlach, from Poland, emerged as champions, winning by a mere two points. They won the competition, $1,000 grand prize, and bragging rights. Runners-up are Jose David Henao Casas and Leon Fernando Ramirez Hoyos from Colombia, with their $600 prize.

Expos

Ning Zhang (Iowa State University) won top honors in geology, and Sara Hanson-Hedgecock (University of North Carolina, Chapel Hill) won first prize in geophysics. Phillip Wolfe (University of Kentucky), Sahar Mohammadi (Oklahoma State University), Tao Zhao (University of Oklahoma), and Aleksandra Varnavina (Missouri University of Science and Technology) won second and third place in geology and geophysics, respectively.

Approximately 200 recruiters from 32 companies and 624 students attended the 17th Annual AAPG/SEG Fall Student Expo on 8–9 September 2014 at the George R. Brown Convention Center in Houston. Because of the large number of students, student posters were capped at 200, on a first-come, first-served basis. A slight tweak to the schedule enabled posters presenters to stay with their posters and interact with the judges.

Blaine Bockholt (University of Memphis), Adrian Stanciu (University of Florida), Jordan Claytor (University of Texas at Dallas), Robert Skoumal (Miami University), and Kathleen Warrell (Rutgers University) each received a $500 travel grant to defray their expenses.

Adrian Stanciu wrote, “Being present at this event was a great experience. The Expo offered me a unique chance to interact with recruiters representing both oil and gas. The main outcome of these interactions was improving my skills in presenting myself and carrying on a discussion with a potential employer. I received great feedback during my poster presentation, and the discussions with different professionals helped me understand better how my science can relate to industry.”
Grants to Society of Exploration Geophysicists
Distinguished Programs

Distinguished Lecture Program

2014 Spring Distinguished Lecturer
Peter I. Pecholcs, CGG, Massy, France
Lecture topic: A journey through time in search of Arabian giants — Oil/gas fields, recording channels, and petabytes
Total number of attendees: 942
Number of lectures: 16 (including seven universities)
Countries visited: Canada, Russia, United Kingdom, United States

“All attendees are full of gratitude to Peter for his wonderful lecture accompanied with clear presentation and perfect oratory skills. All students who participated in this event were surprised how open Peter was and how many similarities that Russia and Saudi Arabia have. The lecture was designed very well as it provided many examples and illustrations that helped the attendees’ understanding. Special thanks to SEG and sponsors who made this Distinguished Lecturer’s visit possible.” - Anna Lim, Gubkin Russian State University of Oil and Gas, Moscow, Russia

“The topic of this lecture was of interest to Permian Basin geophysicists due to near-surface conditions in west Texas that are similar to those that Peter spoke about in Saudi Arabia and that affect seismic data acquisition and processing in the Permian Basin. The learnings that Peter effectively conveyed should have direct application to the attendees. I really enjoyed the question-and-answer period following the talk, when Peter sat down and had a good interactive discussion with the attendees.” - Terry Knighton, EOG Resources, Midland, Texas, U.S.A.

“the lecture was very interesting and special for our students and young geophysicists.” - Vladimir Troyan, St. Petersburg University, St. Petersburg, Russia

2014 Fall SEG/AAPG Distinguished Lecturer
Dave Hale, Colorado School of Mines
Lecture topic: 3D seismic image processing for interpretation of faults and horizons
Total number of attendees: 1700
Number of lectures: 27 (including 11 universities)
Countries visited: Australia, China, Saudi Arabia, Canada, United States

“Professor Hale was very engaged with the audience and in particular the students. He kept introducing himself to the students before the presentation whenever a student entered the hall. He also sat with them after the lecture to show them how to use some of the tools he developed and used in his presentation. It was one of the best visits we had had recently at the Earth Sciences Department at KFUPM.” - Abdullah Alshuhail, King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia

“Dave spoke with great enthusiasm and raised the interest levels of seismologists and geophysicists. Around the office, I heard comments like “That was awesome!” “That was a really great lecture,” similar to the quote Dave showed as well — who knew seismics was interesting! I Also heard a comment, “I want to go and study at Colorado under Dave.” - Millicent Crowe, Australian Society of Exploration Geophysicists, ACT Branch, Canberra, Australia

“Dr. Hale was extremely well prepared and delivered an excellent talk. He kept within our time limitations and left time for several questions from attendees after his presentation. He also visited freely with attendees both before and after the event. Feedback from attendees was completely positive, especially as his presentation content was regarded as directly useful to our membership.” - Phillip Hall, Geophysical Society of Oklahoma City, Oklahoma City, Oklahoma

The SEG Foundation proudly thanks our 2014 donors
Peter I. Pecholcs at Canadian Society of Exploration Geophysicists (CSEG) Calgary, Alberta, Canada.

Dave Hale at Geophysical Society of Oklahoma City, Oklahoma.
Distinguished Programs
Honorary Lecture Program

2014 Central and South America Honorary Lecturer
Mauricio D. Sacchi, University of Alberta, Edmonton, Alberta, Canada
Lecture topic: Practical aspects of regularization and interpolation of (5D) seismic data

Total number of attendees: 800
Number of lectures: 18 (including 14 universities)
Countries visited: Argentina, Brazil, Colombia, Trinidad and Tobago, Mexico

“All of the attendees polled were unanimous in saying that this was an excellent presentation. Besides students and university professors, the lecture was attended by people from the local oil companies, like Petrobras, and seismic-processing service companies.” — Walter Eugenio De Medeiros, UFRN, Natal, Brazil

“In our group of geophysicists, there are researchers working with interpolation, so the research developed by Dr. Sacchi has great importance for many students from our group.” — Universidade Federal da Bahia/CPGG em Salvador—Brazil

“In general, the audience really appreciated the lecture. As for Mauricio, he is really didactic in his lectures. He made the audience pay attention and enjoy the lecture through his way of teaching. We would appreciate new lectures from him here.” — Victor Martins Gomes, Universidade Federal Fluminense, Niterói, Brazil

2014 Europe Honorary Lecturer
Laurent Sirgue, Total, Pau, France
Lecture topic: Full-waveform inversion of seismic data: Investigating the Earth for high-resolution velocities and more…

Total number of attendees: 947
Number of lectures: 25 (including 15 universities)
Countries visited: France, Norway, United Kingdom, Russia, Sweden, Denmark, Poland, Switzerland, the Netherlands, Italy

“The presentation was extremely clear and well organized. It attracted the interest of students and researchers from different fields and with a background spanning across a wide range (geology, geophysics, mathematics, physics). Laurent is a great lecturer, and it was a pleasure to have him with us.” — Michele Pipan, University of Trieste, Trieste, Italy

“Good layout building on the theory of the technique initially, then showing great examples — appropriate for any audience from beginners to experts in the field. Well presented and engaging. Lecturer shows great understanding of the topic. Very good choice of topic for this lecture tour and excellent choice of lecturer. He showed leading working examples of the use of the technology in industry and academic institutes using the latest technology descriptions.” — Aleka Silverton, Imperial College London, United Kingdom

“Thank you very much to Laurent Sirgue for giving such a brilliant talk.” — Zulfi a, Imperial College London, United Kingdom

“The lecture was perfect. The main thing was that even those who didn’t have a background of full-waveform inversion could understand the lecture.” — Gaurav Tomar, IPGP, Paris, France
2014 Middle East and Africa Honorary Lecturer
Bruce Blake, Repsol, Madrid, Spain
Lecture topic: Improving seismic structural time-map accuracy with better near-surface measurements

Total number of attendees: 673
Number of lectures: 16 (including eight universities)
Countries Visited: Ghana, Uganda, Kenya, South Africa, Mozambique, Botswana, Egypt, United Arab Emirates, Saudi Arabia, Oman

“The HL is excellent and gives us research students the opportunity to have contact with an experienced field person and ask some questions that bother us. Personally, Bruce Blake’s answers to my questions during his lecture at Kumasi in Ghana cleared the doubt I had for some very low P-wave velocities I had during my project work. In fact, I became very confident in my results after that day, and I still communicate with him through mail. I have to say a big THANKS to SEG and Shell for the wonderful lectures they give to institutions. They are great people.” - Emmanuel Addai, research student, KNUST Geophysical Society, Kumasi, Ghana

“Bruce Blake was very well presented and most welcoming to questions from the students. He fully understood that the audience was not well versed in the topic, and he was able to accommodate this. He spoke clearly and openly about the topic and his experience in the field of geophysics. Overall, a very good speaker.” - Robert Whitehead, University of the Witwatersrand, Johannesburg, South Africa

“The lecture was very good in terms of presentation, illustrations, and explanations — precise and clear for all the attendees to understand the subject. Questions and interactions were all well taken by Bruce.” - Mark Ssemambo Mukrasa, Makerere University, Kampala, Uganda

2014 North America Honorary Lecturer
Aria Abubakar, Schlumberger Houston Formation Evaluation
Lecture topic: Joint inversion of multiphysics data for petrophysical and engineering properties

Total number of attendees: 865
Number of lectures: 20 (including 13 universities)
Countries visited: Canada and United States

“Great lecture! Covered geophysical problems of great interest in our department. The talk was very clear and provided sufficient details for an easy delivery of information. The concepts were explained such that everyone understood.” - A. Christian Stanciu, University of Florida, Gainesville, Florida

“Aria made an exceptional impression on our students. He was approachable and packaged his delivery for the diverse audience we had.” - Dennis Hall, Colorado State University, Fort Collins, Colorado

“The overall experience was great of the lecture and lecturer. The lecturer was also very sociable, and after-lecture talks were also very useful.” - Ayodeji Kuponiyi, University of Victoria, Victoria, British Columbia, Canada

“Aria Abubakar at the University of Texas–Dallas, Richardson, Texas.
Distinguished Programs
Honorary Lecture Program

2014 Pacific South Honorary Lecturer
Sandeep Chandola, PETRONAS, Carigali, Kuala Lumpur, Malaysia
Lecture topic: Marine seismic acquisition: Expanding the possibilities!
Total number of attendees: 1049
Number of lectures: 24 (including nine universities)
Countries Visited: Malaysia, Indonesia, Brunei, Australia, New Zealand

“The topic is very relevant to the oil and gas industry in the area (South East Asia). It is something that everybody has been waiting for.” ~ Paal, Statoil, Indonesia

“I very much enjoyed Sandeep’s lecture. I am not seismically minded, but he presented it in such a way that I understood the majority of his talk.” ~ Millicent, Geoscience Australia, Canberra, Australia

“An excellent, engaging lecture, well suited to a geophysicist with general knowledge as well as the seismic expect. I really enjoyed Sandeep’s lecture style — easy to listen to and very informative.” ~ Marina Costelloe, Geoscience Australia, Canberra, Australia

“The lecture was so good and competent, also easy to understand. Mr. Sandeep is a great lecturer.” ~ Triaji Adi Harsanto, University of Indonesia

2014 South and East Asia Honorary Lecturer
Xuri Huang, SunRise Petro Solutions Tech, Inc., Houston, Texas, U.S.A.
Lecture topic: Bridging the chasm between geophysics and reservoir engineering
Total number of attendees: 456
Number of lectures: 13 (including nine universities)
Countries Visited: Japan, Korea, China, India, Taiwan

“Dr. Xuri Huang gave us a excellent lecture. He gave us a ‘bridge’ between geophysics and reservoir engineering, and our students got some new ideas through his lecture.” ~ Yin Cheng, Southwest Petroleum University Geophysical Society, Chengdu, China

“It was a very good lecture, and the level of information passed on to the students was unparalleled. It couldn’t be said to be anything less than a man’s lifetime work. The information about the correlation of reservoir and geophysics gave a new way to think for all of us, and a new set of information for projects was definitely introduced.” ~ Kumar Kishlay, University of Petroleum and Energy Studies, Dehradun, India

“He presented state-of-the-art information on filling the gap between geophysics and reservoir engineering. I was most impressed that he was very open to hearing from students, and he made an effort to derive questions from them.” ~ Tae-Seob Kang, Pukyong National University, Korean Society of Earth and Exploration Geophysicists (KSEG), Busan, Republic of Korea

“The topic was of great interest to me, so I would like to hear more about the technical detail.” ~ Koji Kashihara, JAPEX, Tokyo, Japan
Distinguished Programs

Distinguished Instructor Short Course

2014 SEG Distinguished Instructor Short Course (DISC)

The 2014 SEG Distinguished Instructor Short Course lecturer was Shawn Maxwell, IMaGE. Maxwell is president and CTO of Itasca Microseismic and Geomechanics Evaluation (IMaGE) in Calgary, Alberta, Canada. Previously, he provided microseismic technical direction at Schlumberger, Pinnacle/Halliburton, and ESG. He has been a pioneer in the introduction of commercial microseismic hydraulic-fracturing imaging services to the oil and gas industry.

Maxwell’s course, “Microseismic Imaging of Hydraulic Fracturing: Improved Engineering of Unconventional Shale Reservoirs,” was presented in more than 30 locations worldwide. Country locations included (countries represented are highlighted on the map below): Argentina, Australia, Brazil, Canada, China, Colombia, France, Italy, Japan, Malaysia, Mexico, Oman, Saudi Arabia, Scotland, Spain, South Africa, South Korea, United Arab Emirates, United Kingdom, United States (Denver, Colorado; Dallas, Texas; Houston, Texas; Midland, Texas; Pittsburgh, Pennsylvania). Total approximate attendance for the 2014 DISC was more than 1,250 individuals.

The primary objective of Maxwell’s presentation was to lead delegates to a firm understanding of the application of microseismic theory and to acknowledge the value of the theory behind principles of microseismic technology. Maxwell’s presentation provided an overview of microseismic theory and the practical application thereof. He emphasized practical issues associated with acquisition of high-quality microseismic data, including potential pitfalls and quality.

The following topics were presented in the 2014 DISC course in the countries illustrated below:

- Introduction and history of microseismic monitoring
- Hydraulic-fracturing basics
- Acquisition and presurvey design
- Basic processing for microseismic locations
- Geomechanics of microseismic deformation
- Interpretation of microseismic fracture images
- Engineering applications of microseismic imaging
Early in 2014, SEG rebranded eLearning to SEG On Demand. Offering industry leader-led programs on big ideas, SEG On Demand training helps individuals to gain the knowledge and expertise to stay competitive. The SEG On Demand program continued to see growth and impact in 2014.

SEG On Demand transcends space and time with our offerings by diving into our universe of knowledge. With 24-hour access to training and courses, lecture recordings, and Annual Meeting Technical Program presentations, individuals can learn on their own timelines, starting and stopping at any point. They can focus their training time on the topics they need to know now — always available, any time, anywhere.

SEG On Demand continued to increase our online course offerings. Leon Thomsen’s “Geophysics 101: Seismic Waves in Hydrocarbon Exploration,” Lessons 1 through 6 are complete and currently available for purchase. Lesson 7 will be in production in 2015. The number of International Human Resources Development Corporation (IHRDC) courses offered increased from 30 to 176 in 2014.

The year 2014 was also the first time SEG On Demand offered the Annual Meeting Technical Program Presentation Recordings online. The recordings are available for purchase only by topic. Benefits of this offering include significantly reducing production cost, reducing staff time in shipping, and providing the product to our members much sooner. Individual Technical Program Presentations from the San Antonio Annual Meeting 2011, the Las Vegas Annual Meeting in 2012, and the Houston Annual Meeting in 2013 are also available for online purchase and viewing.

BGP provided a gift to the SEG On Demand program in 2014, allowing for further development of our Distinguished and Honorary Lectures translations. In partnership with the SEG China office, the first translation into Mandarin was in its final stages at the end of 2014.

To date, almost 2,000 people have attended a Virtual Course offered through SEG On Demand. These live, online short courses on emerging technologies, with student-instructor communication, have been offered since 2011. Individuals can participate in the courses live or they can purchase the recorded presentation at any time. In 2014, we hosted four new Virtual Courses.

Our Distinguished and Honorary Lectures recordings and former DISC presentations continue to be developed. In 2014, 22 past Distinguished Lecturer recordings were available, along with 30 past Honorary Lecturer recordings and all past DISC recordings. The 2013 DISC presentation by David Johnston will become available in early 2015.
SEG On Demand in 2014

55 COUNTRIES
UTILIZED SEG ON DEMAND IN 2014

1,451 ITEMS
PURCHASED/UTILIZED

- 128 2014 Technical Program preorders
- 16 DISC recordings
- 40 DL recordings
- 28 Geophysics 101
- 40 HL recordings
- 94 IHRDC courses
- 193 2011-2013 Technical Program singles
- 265 Virtual Course recordings
- 646 Live virtual courses

2014 SEG Foundation

55 COUNTRIES
UTILIZED SEG ON DEMAND IN 2014

1,451 ITEMS
PURCHASED/UTILIZED

- 128 2014 Technical Program preorders
- 16 DISC recordings
- 40 DL recordings
- 28 Geophysics 101
- 40 HL recordings
- 94 IHRDC courses
- 193 2011-2013 Technical Program singles
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- 646 Live virtual courses

2014 SEG Foundation
SEG Wiki
An Encyclopedia of Applied Geophysics
sponsored by Apache Corporation

wiki \ˈwi-kē\ n [Hawaiian, quick] (bef. 1865): an online application that is maintained collaboratively — through content modifications — as an asset for a larger community [1]

In the weeks before the 2014 Annual Meeting in Denver, the SEG Online Committee voted to open SEG Wiki contributions to all registered users (previously reserved to members only). During that time, the SEG Wiki has received nearly 2 million* visits. That number represents more than one-third of all visits since the wiki was launched (i.e., a third of all visits have occurred in four months). SEG also named John W. Stockwell Jr. the first SEG Wiki Champion in October. Stockwell’s tireless work has focused on preserving the history of the Society, largely through biographies. The biography category (launched by Stockwell) itself has had more than 700,000 views since the 2014 Annual Meeting (those 700,000 views are four times the number of views the page had before October 2014). For more details on the SEG Wiki, visit: wiki.seg.org.

Program Accomplishments for 2014:

- Öz Yilmaz’s renowned Seismic Data Analysis was launched as an open-access book in the wiki in October 2014. With its arrival, SEG’s two best-selling books — Seismic Data Analysis and Robert E. Sheriff’s Encyclopedic Dictionary of Applied Geophysics — are now freely available to the SEG community.

- The Second Annual “wikithon” — a participant-driven gathering of like-minded people joining to advance individual articles and, in so doing, a shared asset — was held at the 2014 SEG Annual Meeting in Denver. The SEG Wiki staff mentored more than 40 people in launching contributions to the wiki (more than four times the attendance at the 2013 wikithon). Staff also presented the wiki to hundreds of attendees of the Student Leadership Symposium, Student Education Program, and Editor’s Dinner.

- A bimonthly “Geophysics Tutorials” feature, coordinated by Matt Hall, has entered its second year on the wiki. Each article is copublished in The Leading Edge (TLE) and the SEG Wiki, where it gains an open license and is available for update by the community. The six tutorials published so far have been viewed more than 16,000 times on the wiki alone.

- John W. Stockwell Jr. was named the first SEG Wiki Champion at the Annual Meeting in Denver. Awards for outstanding wiki contributions by individual students and Student Chapters will be presented at the 2015 Annual Meeting in New Orleans.

- The SEG digital publications manager interviewed five prominent contributors to the SEG Wiki during the 2014 Annual Meeting. The interviews — ranging on topics from collaboration with other geoscience societies and SEG programs to open data — will continue to run in 2015 issues of The Leading Edge.

- The SEG Wiki editor has launched an online video help series aimed at providing users with the skills necessary to begin to make contributions and layer the science of geophysics. More help videos are planned in 2015.
The members of the Online Technical Content Board, a subcommittee of the Online Committee, voted in Denver to recast their work as the SEG Wiki Committee. The charter of the Wiki Committee is “to define the strategic objectives of the SEG Wiki and monitor the operation to meet that strategic direction.”

The SEG Wiki editor and digital publications manager have launched a bimonthly SEG Wiki chat series through which users can interact directly with SEG staff and featured guests about the wiki — program goals, basics of contributions, and future plans.

The SEG Wiki was updated to the latest version of MediaWiki, the open-source software that powers the site, in August 2014.

The wiki staff has worked closely with author Donald A. Herron to craft new wiki articles. New entries include: correlation procedures in building a depth migration velocity model, interpretation workflows, and visual estimation of wavelet phase. Outreach to additional authors is planned for 2015.

“Statistics provided in this report, as of 6 February 2015.


SEG Online — Information Technology

The following enhancements were made to SEG Online:

- An improved Event Registration system with a new more intuitive Web interface and express badge pickup on site.
- Streamlined Membership Application that provides a user-friendly experience for applicants to the society.

The following were actively worked in 2014, and are due to launch in early 2015:

- New Abstract Management system that is now tied to the SEG Association Management system. This provides users with a single user name and password experience and provides an online abstract-submission system for overlapping events.
- Volunteer Profile within the SEG Online Manage My Account that enables volunteers to fill out a volunteer profile and apply for volunteer opportunities.
Student membership reflects our **global** impact

Top Ten Districts:
Corporation Sponsorships of
Student Membership Dues

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<tr>
<td>District 10</td>
<td>Middle East, North Africa, and West Central Asia</td>
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<td>District 11</td>
<td>Asia</td>
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<td>Pacific</td>
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and the **future** of our profession.
Student Programs

Student Membership Dues
Since its inception in 2007, the Student Dues Corporate Sponsorship Program has supported an average of 5,000 student members of SEG annually. This mission-driven sponsorship program allows students with an interest in applied geophysics from various cultural, socioeconomic, gender, and generational backgrounds all over the world to take advantage of SEG products and services and to be equally represented in the Society. In 2014, approximately 78% of the program recipients resided outside North America. The Student Dues Corporate Sponsorship Program takes the “pay-to-play” mentality out of the equation by allowing student members to focus on their education.

The assistance provided by our strategic corporate partners by supporting the Student Dues Corporate Sponsorship Program has
- increased student membership, establishing global ambassadors for SEG and its strategic partners
- increased global awareness of SEG products and services, allowing the Society to become a major player in the education and development of applied geophysicists
- become an important source of valuable data and geosciences student demographics and information, giving SEG and its strategic partners the competitive edge
- attracted corporate partners who share the mission and vision of SEG to attract, prepare, and engage students for successful careers in the geophysical profession

The generous and continued support of our strategic partners allows SEG to extend its programming and services to year-round relevance to student members. The feedback from student members participating in the program throughout the years has provided SEG and our strategic partners with valuable insight into the motivations, needs, and wants of geosciences students. The knowledge gained has been used as a guide on how to best organize SEG programs and appropriately bundle valuable and industry-relevant learning opportunities for student members. The program also provides a major channel to gather germane information, analyze it, and then use it to continually become better.

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<td>Brazil</td>
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International Geosciences Student Conference
Thank you to Statoil for supporting the SEG International Geosciences Student Conference (IGSC). Statoil’s support propels the IGSC program to a new level. The years 2015 and 2016 will see more students participating and a wider reach. Ghana, Mexico, and Russia SEG Student Chapters led the charge in organizing the Second African, Second Latin American, and Fifth International Geosciences Student Conferences, respectively, in 2014. The Fifth IGSC was organized by not one but three SEG Student Chapters, in Perm, Moscow, and Nizhny Novgorod.

Students realize that they are the ones who are capable of making a difference. More student organizers in the Czech Republic, Brazil, India, and Kenya will continue to spread their wings in 2015.
SEG/Chevron Student Leadership Symposium
The Eighth Annual SEG/Chevron Student Leadership Symposium was held on 25–26 October 2014, the weekend prior to the SEG Annual Meeting in Denver, Colorado. There were 104 viable applications for the 51 spots available for the program. Student Chapter officers, 19 women and 32 men from 21 countries, were awarded full travel grants that included hotel, airfare, and per diem.

In his welcome address and opening session, Steven Shirley, Manager, Earth Science Technical Relations at Chevron, shared personal lessons learned from his father — lessons not about oil and gas but about character and integrity. Shirley encouraged attendees to weave these two key principles into all that they do in their careers, reminding students of the unique nature of these character traits: “Character and integrity — these are things you can’t buy. You have to earn them.” Shirley focused on leadership development and the importance of soft skills in career leadership roles. He encouraged students to “cultivate diversity” and to seek leadership opportunities both inside and outside their careers as an effort to “give back to the world.”

Workshops were held Saturday and Sunday. Presenters included Elsa Velasco (SEG), Edith Miller (Chevron Geophysicist and SEG Board Member), Don Steeples (SEG President), Tad Schirmer (Chevron General Manager), and Tracy Williams (Chevron Program Facilitator). Students were also able to learn from Foundation leaders who provided additional expertise.

The SLS offers travel grants to students who are current active officers of an SEG Student Chapter to cover the expenses for travel, lodging, and registration for SEG’s Annual Meeting. The SLS is supported by the SEG Foundation and by Chevron.

SEG/Chevron Student Leadership Symposium (SLS) 2007–2014
394 Accepted Students

FEMALE PARTICIPANTS
AS A % OF THE ANNUAL TOTAL
SEG/ExxonMobil Student Education Program

Since 2008, the SEG/ExxonMobil Student Education Program (SEP) has enhanced the traditional way of learning by exposing geosciences students to how the industry works. This two-and-a-half-day education program focuses on multidisciplinary subsurface integration aspects of geophysics, which include lectures and exercises. The program is held three or four times a year in the United States, Europe, and either Russia or the Middle East. Each session accepts applicants to the SEP in their geographic region, and each year, the program sees a rise in the number of applicants. ExxonMobil generously provides course materials, team exercises, and instructors.

The first SEP for 2014 was to be held in Kumasi, Ghana, on 18–20 May in conjunction with the Second African International Geosciences Student Conference (AGSC). Thirty students from 14 universities in six countries received travel grants to participate in the program, which unfortunately was canceled because of safety concerns in the region.

The second international SEP was held in Nizhny Novgorod, Russia, on 26–28 July in conjunction with the Fifth International Geosciences Student Conference. Twenty-eight students from 18 universities in 12 countries in Europe and Russia participated in this SEP.

The final SEP for 2014 was held in Denver on 24–26 October. Forty-three students from 25 universities in Canada and the United States participated in the Seventh North American SEP. These participants also attended the 84th SEG International Exposition and Annual Meeting on 26–30 October. Besides the customary Networking Dinner between the instructors and students, participants were given the opportunity to visit with senior SEG management and ExxonMobil staff during the Saturday SEP Reception.
Halliburton and SEG Foundation launch SEG’s first early-career education initiative for industry.

SEG Foundation is proud to welcome Halliburton as our newest corporate partner.

“We at Halliburton have long recognized the need for a collaborative and integrated approach to optimize asset team performance. SEG/Halliburton EVOLVE is our answer to this long-standing interdisciplinary educational challenge. The initiative is founded on developing and delivering next-generation geoscience, petrophysical, and reservoir engineering workflows in a modern learning environment that appeals to the generation of professionals that are starting their careers in the oil and gas industry. SEG and Halliburton look forward to engaging with operators and other industry leaders to produce the step change in early-career professional preparedness, thereby creating value for the industry as a whole.” — Nagaraj Srinivasan, vice president, Landmark

Paul Allison, Arthur Cheng, Rekha Patel, Michael Dunn, and Mike Forrest.
Fred and Kathi Hilterman/SEG Foundation Student Chapter Book Program, sponsored by Geokinetics, Inc.

Thanks to the generosity of the Hiltermans, the Student Chapter Book Program continued to support the next generation of geoscientists by providing books to SEG student chapters worldwide. The Fred and Kathi Hilterman Book Program provided more than 700 books to more than 170 student chapters.

The books distributed were:

- 2002 Distinguished Instructor Short Course, *Understanding Seismic Anisotropy in Exploration and Exploitation*, second edition, presented by Leon Thomsen
- *Remote Sensing in Action: The Curious Case of Sherlock Holmes and Albert Einstein*, by Enders A. Robinson and Dean Clark
- The 2011 SEG Annual Meeting Technical Program Presentations

To help the University and Student Programs Department follow import/export regulations, books were delivered only to countries where Chapters were not responsible for additional costs. Import duties, taxes, and charges were not charged in shipping costs for the Book Program.

Faculty Advisors from all corners of the world expressed their heartfelt gratitude for the books.

Intel International Science and Engineering Fair Awards, sponsored by Dick and Fran Baile

SEG sponsored an award at the 65th Intel International Science Engineering Fair (ISEF), held in Los Angeles, California, in May 2014. This is a premier competition for science and engineering projects developed by high-school students from around the world. The SEG judges were Louise Pellerin (Green Geophysics), Karen Sherlock (Sherlock Geophysical Consulting), and Richard Nolen-Hoeksema (Schlumberger).

The theme for the 2014 International Science and Engineering Fair was “Bright Minds Shine.” The 2014 SEG award and honorable-mention winners tackled problems related to transforming data to sound, identifying species using Bayes’ theorem, attenuating tsunami waves, extracting signal from noisy data, placing wind turbines in urban areas, and measuring water waves caused by partial coalescence cascades.

Approximately 7 million students from around the world developed science and engineering projects for a chance to compete in ISEF. The students exhibited their projects in nearly 500 affiliated science fairs in more than 70 countries, regions, and territories. The best individual and team projects involving nearly 1,700 high-school students — future entrepreneurs, innovators, and scientists — came to ISEF.

Since 1965, SEG has been a long-standing supporter of the annual International Science and Engineering Fair. The ISEF Subcommittee currently manages and facilitates this support. SEG gives Special Awards to outstanding high-school science and engineering projects that relate directly or indirectly to geophysics and the earth sciences. Each year, SEG awards $6,000 in cash, plaques, certificates, and subscriptions to *The Leading Edge* to the winners.

The 2014 first-place Distinguished Achievement Award went to Yongpeng Tang, a senior at Smithtown High School East, St. James, New York. He won $2,500 and a trip to the 2014 SEG Annual Meeting in Denver, Colorado. His project was “Data Sonification with the Seismic Signature of Ocean Surf.” Yongpeng investigated sonification for analyzing beach surf conditions. He used Fourier analysis, digital filtering, sonification, and parameter mapping applied to records of surf conditions during Hurricane Irene from the seismic station at East Hampton, Suffolk County, New York. He transformed the seismic time series into audio files in which he mapped wave amplitude and frequency into sound volume and pitch. He listened to and analyzed the audio files to detect distinguishing sound patterns. He also correlated his records with contemporaneous wave-height data from National Oceanographic and Atmospheric Administration (NOAA) buoys offshore Long Island, New York. Yongpeng interpreted that loud, low-pitched sounds to indicate high-energy, long-period surf conditions; loud, high-pitched sounds signify high-energy, short-period surf; and a fluttering sound suggest the breaking up of surf as it hits the shoreline. Yongpeng’s poster and presentation were outstanding.
Leadership
Leadership Matters

SEG Foundation leadership is comprised of many dedicated individuals, corporations, and sections/associated societies that give generously of their time, talent, and financial resources. Without the passion and commitment of our donors and volunteers, we could not succeed.

BOARD OF DIRECTORS

The Board of Directors is the governing body of the SEG Foundation. Our board is comprised of industry leaders who are passionate about geophysics and our professional community.

Michael C. Forrest
Chair

Dominique Robert
Vice Chair

Mike Loudin
Treasurer

Steven H. Davis
Executive Secretary

Arthur Cheng

Frank D. Brown

Peter M. Duncan

Hank Hamilton

Magne Reiersgard

Jeff Springmeyer

Robert F. Talley

Cung Vu

Sally G. Zinke
COMMITTEES 2014

The important work of the SEG Foundation is carried out through the leadership of several committees. These committees include five Board committees (to provide business guidance and to ensure our financial well-being) and four grant program committees (to carry forward the mission of the SEG Foundation and to ensure that programs function effectively, while honoring our donors’ intentions).

FINANCE AND INVESTMENT
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Frank D. Brown
Hank Hamilton
Mike Loudin
Elwin Peacock
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Gary Servos
Jeff N. Springmeyer
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Alexander “Mihai” Popovici
Thomas A. Smith
Robert Talley
Sally G. Zinke

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Peter Duncan
Cung Vu
Sally G. Zinke

AUDIT
Magne Reiersgard, Chair
Dominique Robert
Cung Vu

NOMINATING
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Peter M. Duncan
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GEOSCIENTISTS WITHOUT BORDERS*
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Tijmen JanMoser
Jonathan Nyquist
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Anupama Venkataraman
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Isabelle Lambert
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Madeline Lee
Nawfel Gahrieni
Justin Simmons
Sally G. Zinke, SEG Foundation Board Liaison

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Dima Amine
Fernando Ziegler
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Brad Artman
Brian Miller
Arthur Cheng, SEG Foundation Board Liaison
# SEG Foundation & SEG Thank Our Corporate Sustaining Investors!

## $2,000,000 AND UP

- Shell
- ExxonMobil
- CGG
- Chevron
- Schlumberger

## $1,000,000 to $1,999,999

- Anadarko Petroleum Corporation
- Halliburton
- PGS
- TGS
- Statoil
- CNPC
- BGP

## $500,000 to $999,999

- Ion
- Apache
- Total
- Paradigm
- KiwiEnergy

## $250,000 to $499,999

- Global Geophysical Services
- IHS
- Marathon Oil Corporation
- Santos
- Geophysical Pursuit, Inc.
- Geokinetics
### 2014 Annual Fund

#### Undesignated Donations

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#### SUSTAINING TRUSTEE ASSOCIATES

The SEG Foundation proudly recognizes our Trustee Associates who have made a sustaining commitment of $2,000 or more to the 2014 Annual Fund in support of the Foundation activities.

- Alfred and Julie Liaw
- Alistair R. Brown
- Anna and Daniel Shaugnessy
- Arthur Cheng
- Bill Barkhouse
- Damir Skerl
- David and Becky Bartel
- David and Lorraine Monk
- Decker Dawson
- Dominique Robert
- Donald W. and Nancy Frye
- Gary and Lorene Servos
- George Steel
- Glenn and Lorie Bear
- Hank Hamilton
- Jack and Catherine Threet
- James and Patty DiSiena
- Jeff and Amie Springmeyer
- Jeff Hume and Cindy Berlier
- Kayleen Robinson
- Ken and Nancy Larner
- Kim and Karen El-Tawil
- Larry and Connie Galloway
- Lee and B.J.* Lawyer
- Mark and Kim Leonard
- Martin Stupel and Catherine Lappe
- Michael Thornton
- Mike Forrest
- Peter and Kathy Duncan
- Prentiss Foundation
- Richard and Fran* Baile
- Richard and Shirley Hunt
- Richard Degner
- Robert and Vivian Talley
- Rocco and Julie Detomo
- Rocky Roden
- Timothy and Victoria Berge
- Tom and Carolyn Hamilton
- Tom and Evonne Smith
- Vicki Messer
- Zhiming Li

#### TRUSTEE ASSOCIATES (cumulative giving)

The SEG Foundation recognizes a special leadership group of contributors known as Trustee Associates. These members are acknowledged by their cumulative support of $10,000 or more each to the Foundation.

- $1,000,000+
  - Anonymous
  - Anonymous
- $500,000 to $999,999
  - Charles and Jean Smith, Jr.
  - Debra and Mark Gregg
- $250,000 to $499,999
  - Hank Hamilton
  - Robert* and Margaret Sheriff
  - Rutt Bridges
  - Stanley H. and Shirley A. Ward* Trust
  - The Worthington Charitable Trust
- $100,000 to $249,999
  - Aubra Tilley
  - Decker Dawson
  - Donald W. and Nancy Frye
  - Fred and Kathi Hilterman
  - Jeff and Amie Springmeyer
  - Mike Forrest
  - Richard and Fran* Baile
  - Richard Degner
  - Scott Petty, Jr.
  - Thomas R. LaFehr
- $50,000 to $99,999
  - Alexander Mihai and Catherine Ann Popovici
  - Bill and Debbie Mitcham
  - Cecil H. Green*
  - Craig and Betsy Beasley
  - David and Becky Bartel
  - David E. Lumley
  - Frans H. and Alice B. Hammons*
  - Gary and Lorene Servos
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  - Kurt-Martin Strack
  - Larry and Connie Galloway
- $25,000 to $49,999
  - Arthur Cheng
  - Bill Barkhouse
  - Bill Laing*
  - Brian and Elaine Russell
  - Cung Vu
  - David Lammlein
  - Elwin Peacock
  - Gerald Hohmann Trust*
  - Ian G. Jack
  - Jack and Catherine Threet
  - James and Patty DiSiena
  - James L. Allen
  - James* and Ruth Harrison
  - Jeff Hume and Cindy Berlier
- $10,000 to $19,999
  - Alfred and Julie Liaw
  - Alistair R. Brown
  - Anna and Daniel Shaugnessy
  - Arthur Cheng
  - Bill Barkhouse
  - Damir Skerl
  - David and Becky Bartel
  - David and Lorraine Monk
  - Decker Dawson
  - Dominique Robert
  - Donald W. and Nancy Frye
  - Gary and Lorene Servos
  - George Steel
  - Glenn and Lorie Bear
  - Hank Hamilton
  - Jack and Catherine Threet
  - James and Patty DiSiena
  - Jeff and Amie Springmeyer
  - Jeff Hume and Cindy Berlier
  - Kayleen Robinson
  - Ken and Nancy Larner
  - Kim and Karen El-Tawil
  - Larry and Connie Galloway
  - Lee and B.J.* Lawyer
  - Mark and Kim Leonard
  - Martin Stupel and Catherine Lappe
  - Michael Thornton
  - Mike Forrest
  - Peter and Kathy Duncan
  - Prentiss Foundation
  - Richard and Fran* Baile
  - Richard and Shirley Hunt
  - Richard Degner
  - Robert and Vivian Talley
  - Rocco and Julie Detomo
  - Rocky Roden
  - Timothy and Victoria Berge
  - Tom and Carolyn Hamilton
  - Tom and Evonne Smith
  - Vicki Messer
  - Zhiming Li
Joe Greenberg  
**John F. Bookout, Jr.**  
Kenneth and Kim Zonge*  
Mike and Susan Graul  
Robert B. Peacock  
Rocky Roden  
Wayne Turner  

**$10,000 to $24,999**  
Alfred and Julie Liaw  
Allen Gilmer  
Anna and Daniel Shaughnessy  
Barry and Lee Davies  
Benegene Kring*  
Bill Abriel  
Bill Kamps  
Bill Langley  
Carlos Guzman  
Charles Weiner  
Chuck Peng  
Dave K. Agarwal  
David C. DeMartini  
David Smith  
Dominique Robert  
Donald L. Paul  
Dorothy LaCoste*  
Driscoll A. Henkhaus  
E.J. Northwood*  
Earl and Reba Griffin*  

**Edith J. Miller**  
Ernest and Donna Siraki  
Floyd F. Foster  
Frank D. Brown  
Fred Aminzadeh  
Fred and Sandra Hoffman  
Fritz P. Kronberger  
Gary Jones  
Gene and Carlene Sparkman  
George Steel  
Gerry Pickering  

Glenn and Lorie Bear  
Henry L. Grant*  
Henry Pettingill  
Hugh E. Rowlett, Jr.  
**Ian and Nancy Threadgold**  
James Coffman*  
Jie Zhang  
Jim and Kelly Brothers  
**Jim Funk**  
**Jim Gibbs**  
**Jim Ryan**  
Jim Strawn  
**John and Donna Parrish**  
John and Elizabeth Gibson  
John Castagna  
John Sumner  
**Karl and Carol Schleicher**  
Kayleen Robinson  
Ken and Nancy Larner  
Kim and Karen El-Tawil  
Larry Funkhouser  
**Lisa Buckner**  
Magne A. Reiersgard  
Mark and Kim Leonard  
Mark Patterson  
Marta Weeks  
Martin and Arlyn Shields  
Martin E. Hansen  
Martin Stupel and Catherine Lappe  
Marvin* and Jene Hewitt  
Mary L. Fleming  
Michael and Lynn Schoenberger  
**Michael Dunn**  
Michael G. Loudin  
Michael Thornton  
Mike and Dana Padgett  
Mike Mueller  
Mike Seidner  
**Nick and Elena Moldoveanu**  
Norman and Ruby Crook  
Paul C. Mitcham  
Paul M. Ferguson  
Paul Schlirf  
**Pete and Terri Cramer**  
Peter and Kathy Duncan  
Peter Pangman  
Prentiss Foundation  
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Red Olander*  
Rhonda and John Jacobs  
Richard and Barbara Schneider  
Richard and Nancy White  
Richard Cooper  
Richard S. Bishop  
Robert and Esther Graebner  
Robert and Michelle Hobbs  
Robert and Susan Peebler  
Robert and Vivian Talley  

**Robert Corbin**  
Robin Pearson  
Rocco and Julie Detomo  
Roger Reagan  
Ronald and Mary Bracken  
Sally G. Zinke  
Sam L. Evans  
Scott Brannan  

**Scott King**  
Simon Robinson and Lia Mills  
Steve Crowell  
Steven Davis  
Susan Peebler  
Timothy and Victoria Berge  
Tom and Carolyn Hamilton  
Vicki Messer  
William and Linda Pearson  
Zhiming Li  

*deceased

**Boldface names indicate new in 2014.**
### GRANDFATHERED TRUSTEE ASSOCIATES (Cont’d.)

<table>
<thead>
<tr>
<th>James H. Frasher</th>
<th>Margaret Welch</th>
<th>Robert H. Peacock</th>
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<tr>
<td>Jeffrey M. Rayner</td>
<td>Maurice Trostle*</td>
<td>Ronald Antonation</td>
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<td>Jin Zhou</td>
<td>Michael R. Wisda</td>
<td>Roy E. Clark, Jr.</td>
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<td>John Bissell</td>
<td>Neal P. Cramer, Sr.</td>
<td>Russ Nash*</td>
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<td>John Bobbitt</td>
<td>Orval F. Brannan*</td>
<td>Stanley B. Jones*</td>
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<td>John Butler, Jr.</td>
<td>Paul Horvath</td>
<td>Steve and Susan Danbom</td>
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<tr>
<td>John D. Laker</td>
<td>Peyton Weems</td>
<td>Terry and Nadine Young</td>
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<tr>
<td>John Kruppenbach*</td>
<td>Pierre Goupillaud</td>
<td>Theodore D. Einarsson</td>
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<td>John W. Stockwell, Jr.</td>
<td>Ralph Baird</td>
<td>Theodore S. Green*</td>
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<td>Jon Ferris</td>
<td>Raymond Mendez</td>
<td>Victor Shainock</td>
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<tr>
<td>Joseph G. Putman III*</td>
<td>Red McCombs</td>
<td>Walter Pharris</td>
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<td>Kathy Hogenson</td>
<td>Richard C. Anderson*</td>
<td>Walter S. Lynn</td>
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<td>Kay D. Wyatt</td>
<td>Richard F. Miles</td>
<td>William A. Schneider</td>
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<td>Larry Cernosek</td>
<td>Richard Gardner</td>
<td>William Richardson*</td>
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<td>Lee Miller</td>
<td>Richard V. Edwards, Jr.</td>
<td>Wulf F. Massell</td>
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<td>Louis I. Schneider, Jr.</td>
<td>Rick Chimblo</td>
<td>Yonghe and Grace Sun</td>
</tr>
<tr>
<td>Luke Corbett</td>
<td>Robert A. Wyckoff</td>
<td>*deceased</td>
</tr>
</tbody>
</table>

### HIGH VELOCITY

Thank you to our 2014 High Velocity giving club donors! Your accelerated support of $1,000 to $9,999 each provides a crucial portion of the funds needed to operate our annual programs and activities.

Aimee Jarvis
James McNett
Tako Koning
Timothy Fasnacht

Excluded High Velocity donors who are Trustee Associates.

### DOODLEBUGGER SOCIETY

Thank you to our 2014 Doodlebugger giving club donors! Your support of $100 to $999 each provides a crucial portion of the funds needed to operate our annual programs and activities. Doodlebugs rock!

Alexander Van Wijhe
Alexey Beloshitsky
Alison Small
Andrew Samuel Long
Annette Borkowski
Barbara Bohn
Bill Whiting
Bradley Bryans
Brian Boslaugh
Caspar Cronk
Charles Cookson
Chengbin Peng
Christine Krohn
Christopher Liner
Clara Luz Mora
Craig Cooper
Dan Cox
Daniel Creighton
Daniel L. Smith
Dave Braman
David Henderson

David Hennig
David Johnston
David Sixta
Dennis Gallagher
Dennis Sponible
Diana Smith and Tim
Maciejewski
Dolan McDaniel
Donald Winterstein
E. William Worthington
Edwin Lookabbaugh
Eileen Mahlow
Elizabeth Rosso
Elliott Pew
Emil Mateker
Eric Gardner
Erin Nelson
G. Keller
Gary Mercado
Gene Van Dyke
George Crawford

George Watts
Gerhard Diephuis
Glenn Kyaw Nyin
Gustavo Carstens
H. Cumming
H. Parsneau
Harry Warters
Hector Morales Rodriguez
Hermes Malcotti
Jacek Jaminski
Jack R. Banttari
Jacques Leveille
James Galbraith
Jerry Hickman
John Battie
John Card
John Coggon
John Gallagher
John Sheffer
John Sterling
John Stockwell
DOODLEBUGGER SOCIETY (Cont’d.)

John Toldi  Michael Oristaglio
John Williams  Michael Sebeer
Jonathan Scorer  Mike Peffer
Kathryn Hardy  Mohammed Kidwai
Katie Burk  Nancy House
Kenneth Bird  Naresh Kumar
Kenneth Cass  Nicholas Boyd
Kenneth Dingwall  Norman Whitmore
Kenneth Lake  Parrish Erwin
Kerry Campbell  Paul Allison
Laurn Larson  Paul Bergum
Lawrence Sorensen  Paul Cattermole
Leigh House  Peter German
Leonard Bates  Philip Hodgson
Lindsay Horn  Philip Housemann
Lorenzo Franceware  Philip Roberts
Mandi Duckworth  Phillip Romig
Mark E Bengtson  Pierre Marechal
Mark Koelmel  Prentiss Havens
Marlan Downey  R. Bording
Martha George  Ralph Campbell
Michael Ball  Randall Hendrix
Michael Barzle*  Randall Odom
Michael Bennett  Rebecca Latimer
Michael Gurch  Rene Graf
Michael Harkness  Robert Duke
Michael Kasli  Robert Hefner

Robert Lindblom
Robert Slyker
Robert Thomas
Roger Freidline
Roy Lindseth
Said Mahrooqi
Sam Sampantan
Sergio Paredes
Shiro Ohkawa
Spencer Titled
Stephen Hill
Susan Nissen
Susan Webb
Sven Treitel
Syafiul Umam
Tad Smith
Thomas Jorden
Timothy Brown
Timothy Wright
Tony Preslar
Walter Conley
William Bayne
William Little
William Menger
William Parsons
William Silk
William Spindler

*deceased
Excluded Doodlebuggers who are Trustee Associates.

2014 Program Specific
Designated Donations

$50,000 and above
American Association of Petroleum Geologists
Donald Herron
Elwin Peacock

$10,000 to $49,999
Denver Geophysical Society
Geophysical Society of Oklahoma City
John Bradford
John Sherwood

$1,000 to $9,999
Dallas Geophysical Society

$100 to $999
Alek Miller
Andreas Corsden
Andrew Hooker
Arthur Cheng
Bill Barkhouse
Daryl Tweeton
France Biswas
Greggory Parker
Jared Gottlieb
John Peirce
Ken and Nancy Larner
Kristi Perez
Lawrence Braile
Scott Stockton
Warren Baldridge

Donna Herron
Geophysical Society of Tulsa
Karl Schleicher
Michelle Abraham
Permian Basin Geophysical Society
Robert Neese
Steve Danborn
Theo Aravanis
### 2014 Program Specific Designated Donations

#### CORPORATE GIVING

*Thank you to our 2014 corporate donors! Your gifts have impacted the lives of thousands of students and professionals world-wide.*

<table>
<thead>
<tr>
<th>Organization</th>
<th>Company/Grant</th>
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<tbody>
<tr>
<td>Anadarko Petroleum Corporation</td>
<td>ExxonMobil Exploration Company</td>
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<tr>
<td>Apache</td>
<td>Exxonmobil Foundation</td>
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<td>BGP</td>
<td>Geokinetics Inc.</td>
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<td>BP</td>
<td>Halliburton</td>
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<td>CGG</td>
<td>IHS Global Inc.</td>
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<td>Chevron Corporation</td>
<td>ION Geophysical Corporation</td>
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<td>ConocoPhillips</td>
<td>Marathon Oil Corporation</td>
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<td>Paradigm</td>
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<td>Shell Oil Company</td>
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<td>WesternGeco</td>
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<td>Whiting Petroleum Corporation</td>
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#### MATCHING EMPLOYERS

*Thank you to our 2014 matching gift employers! The support you provide to your employees in matching their charitable gifts to organizations, such as the SEG Foundation, plays a significant part in serving our community.*

<table>
<thead>
<tr>
<th>Company/Grant</th>
<th>Name</th>
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<tbody>
<tr>
<td>Apache Corporation</td>
<td>David Richards</td>
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<td>Laurn Larson</td>
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<td>BP</td>
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<td>Pete and Terri Cramer</td>
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<td>Chevron Corporation</td>
<td>Exxonmobil Foundation</td>
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<td>John Sumner</td>
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<td>Shell Oil Company</td>
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<td>Fred Hoffman</td>
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<td>John Parrish</td>
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<td>Mike Forrest</td>
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</table>

#### ESTABLISHED ENDOWMENTS

*Thank you for establishing program specific endowments! Endowments provide life-long contributions to our programs and are an extraordinary way of giving back and leaving a legacy. Scholarship endowments are listed on page eleven.*

<table>
<thead>
<tr>
<th>Endowment</th>
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<tr>
<td>Dan P. Loewenthal Grant Endowment</td>
<td>Intel International Science and Engineering Fair Awards, sponsored by Dick and Fran Baile</td>
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<tr>
<td>DISC — Distinguished Instructor Short Course</td>
<td>O. S. Petty Field Camp Grants</td>
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<td>Distinguished Instructor Short Course, sponsored by Dick and Fran Baile</td>
<td>Richard Degner Field Camp Grant</td>
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<td>Distinguished Programs Endowment</td>
<td>SAGE Summer of Applied Geophysical Experience Field Camp Grants Endowed Fund</td>
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<td>Enders Robinson Endowed Scholarship</td>
<td>Saskatchewan Field Camp Grant</td>
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<tr>
<td>Fred and Kathi Hilterman/SEG Foundation</td>
<td>SEG/Rutt Bridges Annual Meeting Travel Grants</td>
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<tr>
<td>Student Chapter Book Program Fund</td>
<td>SEG/Rutt Bridges Emerging Nations Student Chapter Grants</td>
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<tr>
<td>General Operating Endowment</td>
<td>SEG/Rutt Bridges SEG Online Grants</td>
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<tr>
<td>Geophysical Pursuit Field Camp Endowment</td>
<td>SEG/Rutt Bridges Summer Field Camp Grants</td>
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<td>Geoscientists Without Borders® Endowment</td>
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<tr>
<td>Geoscientists Without Borders® Matching Funds</td>
<td></td>
</tr>
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</table>
2014 Grant Recipients and Program Participants
2014–2015 Scholarship Recipients

**AGIP Scholarship**
Lev Pleshkov, Perm State University
Ravna Karimova, Azerbaijan State Oil Academy

**Alexander Mihai and Catherine Ann Popovici Scholarship**
Alexandra Bugheanu, University of Bucharest
Roxana Stanca, University of Bucharest

**Anadarko/SEG Scholarships**
Alec Brenner, California Institute of Technology
Andrea Darrh, Texas A&M University
Anthony Krupa, University of Texas–Austin
Bin Yang, Missouri University of Science and Technology
Brooke Berry, Texas A&M University
Debanjan Datta, University of Texas–Austin
Jedidiah Dale, University of Pennsylvania
Jennifer Brush, Colorado School of Mines
Jordan Leone, Montana Tech of the University of Montana
Kenneth Gourley, University of California–Berkeley
Marybeth Lundquist, University of South Carolina
Megan Matheney, University of Texas–Austin
Menal Gupta, University of Texas–Austin
Nikhil Kunapuli, Massachusetts Institute of Technology
Noah Stewart-Maddox, New Mexico School of Mining and Technology
Rebecca Bauer, Stanford University
Richard Alt, Stanford University
Robert Skoumal, Miami University
Roberto Falcon-Valdes, University of Texas–Dallas
Shannon Castro, Texas A&M University
Susannah Boote, University of South Carolina
Tao Li, University of Wyoming
Victoria Fan, Stanford University

**Aubra Tilley Scholarship**
Jackson Haffner, University of Oklahoma

**Billy F. Mitcham Sr. Memorial Scholarship**
Elizabeth Penn, University of Wisconsin–Madison

**Charles C. McBurney Memorial Scholarship**
Omotayo Omosebi, University of Oklahoma

**Dallas Geophysical Society Scholarship**
Andrea Rios Romero, Texas A&M University
John Coffee, Abilene Christian University
Mitchell Roberts, University of Texas–Austin

**David E. Lumley Scholarship in Energy & Environmental Science**
Daniela Zuniga Sacks, Massachusetts Institute of Technology

**Debra and Mark E. Gregg Scholarship**
Stephen Paskovich, Colorado School of Mines

**DGS/Karen Kellogg Shaw Memorial Scholarship**
Aaron Weitzenhiller, University of Texas–Dallas

**Donald and Nancy Frye Scholarship**
Elizabeth Ramsey, University of Alberta

**EAGE/SEG/Thomsen/BP Scholarship**
Ritwika Sengupta, Imperial College London

**ExxonMobil Upstream Research Co. Scholarship**
Alice Drinkwater, University of Leeds
Anna Aleksandrovskaya, Perm State University
Eray Kocel, University of Houston
Hui Li, University of Houston
Lucas Peters, State University of New York–Potsdam
Tait Earney, South Dakota School of Mines

**Frants and Alice Hammons Scholarship**
Benfeng Wang, China University of Petroleum–Beijing
Huizhong Yan, University of Houston
David Yin, Heriot-Watt University
Harya Nugraha, Imperial College London
Qing Ye, China University of Petroleum–Beijing
Zhiming Ren, China University of Petroleum–Beijing

**Frantisek Hron Scholarship**
No awardee for this year

**Fred and Kathi Hilterman Scholarship**
Chen Qi, University of Houston

**Geophysical Society of Alaska Scholarship**
Vipul Silwal, University of Alaska–Fairbanks

**Geophysical Society of Oklahoma City Scholarship**
Khemraj Shukla, Oklahoma State University

**Geophysical Society of Tulsa/SEG Scholarship**
Khemraj Shukla, Oklahoma State University

**George V. Keller Scholarship**
Michal Kolaj, Laurentian University

**GSH/Carlton-Farren Award**
Dustin Blymyer, Rice University

**GSH/Hugh Hardy Scholarship**
Ijeamaka Okechukwu, Lamar University

**GSH/Charlie and Jean Smith Scholarship**
Abdulla Kerimov, Stanford University
Chelsea Burris, Stanford University
Gregory Ledingham, Stanford University
Nathan Seago, Texas A&M University

**J. E. White Memorial Scholarship**
Whitney Schultz, Colorado School of Mines

**John D. Delbridge Memorial Scholarship**
Bona Wu, University of Calgary

**KEGS Ontario/SEG Scholarship**
Luke Graves, University of Toronto

**KEGS/Phillip Hallof Memorial/SEG Scholarship**
No awardee for this year

**Keith Wrolstad Memorial Scholarship**
Bridget Hass, Oregon State University

**Kenneth L. Zonge Scholarship**
Gang Li, Ocean University of China
Jeffrey Zurek, Simon Fraser University

**Michael Bahorich/SEG Scholarship**
Rayan Yassminh, University of Missouri
2014–2015 Scholarship Recipients (cont'd)

Michael C. Forrest Scholarship
Erin Derrick, University of South Carolina
Jeffrey Zurek, Simon Fraser University
Renat Shigapov, Saint Petersburg State University

Michael T. Spradley Memorial Scholarship
Lei Yang, University of Chinese Academy of Sciences
Peter Adetokumbo, King Fahd University of Petroleum and Minerals

Richard and Rolande Lockhart Scholarship
Sarah Devriese, University of British Columbia

Robert E. and Margaret S. Sheriff Scholarship
Jiali Ren, University of Houston
Pan Deng, University of Houston

SEG 75th Anniversary Scholarship
Luqing Cao, Peking University

SEG Foundation Scholarship
Tianci Ciu, University of Calgary
Andrei Balahura, University of Bucharest
Anna Kwierniak, University of Science and Technology in Krakow
Anton Egorov, Moscow State University
Corryelle Pondy, Yale University
Ivy Ren, Yale University
Jared Olyphant, University of Arizona
Jide Ogunbto, University of Science and Technology of China
Loralee Wheeler, Colorado School of Mines
Monika Kasperska, AGH University of Science and Technology
Payam Kavousi, West Virginia University
Seth Kuchenbecker, University of Wyoming
Tegan Brand, Missouri University of Science and Technology
Yi Jiang, University of Houston

SEG Foundation/Apache Scholarship
Jesse Kolb, University of Calgary
Shahin Jabbari, University of Calgary

SEG Foundation/Marathon Oil Scholarship
Amber Hill, Colorado School of Mines
Amy Allbritton, Western State Colorado University
Brian Leung, University of California–San Diego
Erica Lucas, University of Michigan–Ann Arbor
Erin England, Stanford University
Freeman Sanders, Florida State University
Liam Schrann, Bard College
Luke Schranz, University of Wisconsin–Madison
Matheus El Batti, California Institute of Technology
Tara Chatteraj, University of Illinois–Urbana-Champaign
Yury Aglyamov, California Institute of Technology

SEG/ Marvin and Jene Hewitt Scholarship
Borko Rajovic, University of Belgrade

SEG/ARCO
Jackson MacFarlane, University of Auckland

SEG/Barbara McBride Memorial Scholarship
Jessica Pointing, Massachusetts Institute of Technology

SEG/CGG Foundation Scholarship
Alexandra Bugheanu, University of Bucharest
Bogdana Milenjkovic, University of Belgrade
Iulian Malai, University of Bucharest

SEG/ Chevron Scholarship
Alexander Urygunov, Heriot-Watt University
Ana Mladenovic, University of Belgrade
Arjun Datta, University of Cambridge
Bona Wu, University of Calgary
Denis Anikiev, Saint Petersburg State University
Denys Grombacher, Stanford University
Khemraj Shukla, Oklahoma State University
Mariella Nalepa, Memorial University of Newfoundland
Stephen Paskovich, Colorado School of Mines
Tianci Ciu, University of Calgary

SEG/ Chevron/T exaco E&P
Leighton Watson, Stanford University
Tieyuan Zhu, University of Texas–Austin

SEG/ David Bartel Scholarship
Jared Olyphant, University of Arizona

SEG/ David R. Lammlein Scholarship
Khemraj Shukla, Oklahoma State University

SEG/ David W. Worthington Scholarship
Lindsay Sabey, Virginia Polytechnic University

SEG/ Denver Geophysical Society Scholarship
Gregory Ledingham, Stanford University
Tanya Petach, Harvard University

SEG/ EAGE/Thomsen/BP Scholarship
Marybeth Lundquist, University of South Carolina

SEG/ Excel Geophysical Services Scholarship
Christopher McBride, Johns Hopkins University

SEG/ Gary and Lorene Servos Scholarship
Ahamefula Utom, Eberhard Karls Universität, Tübingen, Germany

SEG/ Gerald W. Hohmann Memorial Scholarship
Igor Zaklyuchnov, Perm State University

SEG/ Henry Bates Peacock Scholarship
Daniel Feucht, University of Colorado–Boulder

SEG/ Ian G. Jack Scholarship
Ricardo Rangel, Heriot-Watt University

SEG/ Jack and Catherine Threet Scholarship
Adriana Sirbu, University of Bucharest
Anna Aleksandrovskaya, Perm State University
Blair Schneider, University of Kansas
Huizhong Yan, University of Houston

SEG/ James and Ruth Harrison Scholarship
Sarah Rowell, Texas A&M University
Vikram Gupta, University of Texas–Austin

SEG/ James L. Allen Scholarship
Josiane Pafeng Tchuindjarg, University of Wyoming
2014–2015 Scholarship Recipients (cont’d)

SEG/John Bookout Scholarship
Aidan Kenealy, Dartmouth College
Alexander Ugryumov, Heriot-Watt University
Alice Drinkwater, University of Leeds
Ana Mladenovic, University of Belgrade
Arjun Datta, University of Cambridge
Asheton Gilbertson, Colorado College
Ashley Young, Iowa State University
Bona Wu, University of Calgary
Clay Davenport, University of Chicago
Donald Koepp, Bucknell University
Genevieve Pugsley, College of William and Mary
Hannah Pangrcic, Boston University
Jack Baesman, Northwestern University
Jacob Isbell, University of Iowa
Jonah Bartrand, University of Idaho
Jonathan Roig, Yale University
Kalain Hosein, Texas A&M University
Kenton Hoshino, Montana Tech of the University of Montana
Luke Graves, University of Toronto
Madeline Martin, Brown University
Marko Vanic, Delft University of Technology
Ryan Hensley, University of California–Santa Barbara
Ryan Rickerson, Texas A&M University
Tabitha Kain, Colorado School of Mines

SEG/John R. Butler Jr. Scholarship
Chen Qi, University of Houston

SEG/Landmark Scholarship
Andreea Chiriac, University of Bucharest
Helena Vostic, University of Belgrade

SEG/Lucien LaCoste Scholarship
Dragana Petrovic, University of Belgrade

SEG/Norman and Shirley Domenico Scholarship
Adrian Smith, University of Calgary
Adrian Stanciu, University of Florida

SEG/P.C. Havens/Seismic Exchange Inc. Scholarship
Jamie Rodriguez, Stanford University
Kyle Shepherd, Montana Tech of the University of Montana

SEG/P. C. Havens/Seismic Exchange Inc. Scholarship
Victoria Fisher, Colorado School of Mines

SEG/Permian Basin/Hugh Hayes Scholarship
Raj Bhargava, University of California–Berkeley

SEG/Schlumberger Scholarship
Monika Kasperska, AGH University of Science and Technology

SEG/Shell E&P Scholarship
Alice Drinkwater, University of Leeds

SEG/Thomas A. Mazza Memorial Scholarship
Bridget Hass, Oregon State University

SEG/Ulrich Schmucker Scholarship
Michael Dunham, Memorial University of Newfoundland

SEG/WesternGeco Scholarship
Sasa Smiljanic, Union University–Nikola Tesla

SEG/WesternGeco/Carl Savit Memorial Scholarship
Marko Vanic, Delft University of Technology

SEG/WesternGeco/Henry Salvatori Memorial Scholarship
Anna Lim, Gubkin Russian State University of Oil and Gas

Shirley A. and Stanley H. Ward Scholarship
Brandon Rasmussen, University of Nevada–Reno
Denys Grombacher, Stanford University
Ian Keneally, Stanford University
Jennifer Fehringer, University of British Columbia
Kyle Mann, University of California–Berkeley
Michael McMillan, University of British Columbia
Patrick Belliveau, University of British Columbia
Whitney Schultz, Colorado School of Mines

Ted Born Memorial Scholarship
Anje Holscher, Ruprecht-Karls University–Heidelberg

2014 Geoscientists Without Borders® Grant Recipients

- University of Kentucky
  Project title: “Benthic Habitat Mapping for Humanity — Using Geophysics to Improve Fisheries Conservation at Lake Tanganyika”
  Location: Lake Tanganyika, Tanzania
  Partners: The Nature Conservancy, Fresh Water Conservation Program, Africa Region and the Tanzania Fisheries Research Institute

- Universidad Nacional de La Plata
  Project title: “Groundwater Resources for small rural and aboriginal communities in Chaco Province, Argentina”
  Location: Community of Mirafl ores, Chaco, Argentina
  Partners: Buenos Aires Province Scientific Research Commission, National Scientific and Technical Research Council

- Association of Geophysicists and Environmentalists of Serbia
  Project title: “Assessment of flood-damaged infrastructures in Bosnia, Herzegovina, and Serbia”
  Location: Selected sites in Bosnia, Serbia, and Herzegovina
  Partners: Terra Australis Geophysics Pty. Ltd. (Australia), Curtin University (Australia), OGS (Italy), Uppsala University (Sweden), Technical Faculty, European University BD, Brčko, Brčko District (BiH), CTU IPKIN, Bijeljina, Republic of Srpska (BiH), Faculty of Mining, Geology and Civil Engineering, University of Tuzla, Tuzla, Federation of BiH (BiH)
## Travel Grant Recipients

**2014 SEG/Chevron Student Leadership Symposium (SLS) Recipients and Participants**

<table>
<thead>
<tr>
<th>STUDENT</th>
<th>UNIVERSITY</th>
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<tbody>
<tr>
<td>Aikaterini Stathopoulou</td>
<td>National Technical University of Athens</td>
</tr>
<tr>
<td>Akhil Amara</td>
<td>Texas A&amp;M University</td>
</tr>
<tr>
<td>Akim Mahmud</td>
<td>City College of New York</td>
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<tr>
<td>Akramalsadat Mostafanejad</td>
<td>University of Memphis</td>
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<tr>
<td>Alexey Gula</td>
<td>Gubkin Russian State University of Oil and Gas</td>
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<td>Ame Selepeng</td>
<td>Akita University</td>
</tr>
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<td>Andreas Schaller</td>
<td>Delft University of Technology</td>
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<td>Andreea Chiriac</td>
<td>University of Bucharest</td>
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<tr>
<td>Annisa Badri</td>
<td>University of Lampung</td>
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<td>Eötvös Loránd University</td>
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<td>Ayrat Abdullin</td>
<td>King Abdullah University of Science and Technology</td>
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<tr>
<td>Chandra Dubey</td>
<td>National Geophysical Research Institute</td>
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<tr>
<td>Chastity Aiken</td>
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<tr>
<td>Chuanhui Li</td>
<td>China University of Geosciences (Beijing)</td>
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<td>Clyde Redger</td>
<td>University of Kansas</td>
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<tr>
<td>Danping Yu</td>
<td>Chengdu University of Technology</td>
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<td>Domenico Di Massa</td>
<td>University of Naples, Federico II</td>
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<tr>
<td>Dong Cui</td>
<td>Research Institute of Petroleum Exploration and Development</td>
</tr>
<tr>
<td>Eileen Martin</td>
<td>Stanford University</td>
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<td>Erin Derrick</td>
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<td>Filip Bolesta</td>
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<td>Francisco Grisanti</td>
<td>Universidad Simón Bolívar</td>
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<td>Georgy Loginov</td>
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<td>Jacek Kubalski</td>
<td>Adam Mickiewicz University</td>
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<td>Jackson MacFarlane</td>
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<tr>
<td>Lennart Brüning</td>
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<td>Maria Vasmel</td>
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<td>Masoud Safari-Zanjani</td>
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<td>Megan Torpey</td>
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<td>Mohammad Kazemi</td>
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<td>Nisa Rhodes</td>
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<td>Nova Linzai</td>
<td>Institut Teknologi Sepuluh Nopember</td>
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<td>Nur Maulaningsih</td>
<td>Universitas Gadjah Mada</td>
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<td>Omar Pinto</td>
<td>Universidad Nacional de Colombia</td>
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<tr>
<td>Palvesha Gohar</td>
<td>University of Engineering and Technology, Lahore</td>
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<td>Pouyan Ebrahimi Lialekol</td>
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<td>Qi Ren</td>
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<td>Robert Whitehead</td>
<td>University of the Witwatersrand</td>
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<tr>
<td>Shanna Mason</td>
<td>University of Louisiana–Lafayette</td>
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<tr>
<td>Soledad Lagos</td>
<td>Universidad Nacional de La Plata</td>
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<tr>
<td>Soumya Panda</td>
<td>Indian School of Mines, Dhanbad</td>
</tr>
<tr>
<td>Sumit Verma</td>
<td>University of Oklahoma</td>
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<tr>
<td>Via Ramadonna Pramukti Mei</td>
<td>National Central University</td>
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<tr>
<td>Wenlong Wang</td>
<td>University of Texas–Dallas</td>
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<tr>
<td>Wipada Ngansom Ngansom</td>
<td>Prince of Songkla University</td>
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<tr>
<td>Xiaofei Ma</td>
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<tr>
<td>Yoon Geun Jo</td>
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<td>Zhiqiang Wang</td>
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### 2014 SEP Recipients — Kumasi, Ghana

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<thead>
<tr>
<th>STUDENT</th>
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<tbody>
<tr>
<td>Adebayo Ojo</td>
<td>Obafemi Awolowo University</td>
</tr>
<tr>
<td>Anthony Ameloko</td>
<td>University of Lagos</td>
</tr>
<tr>
<td>Aret Omorogbe</td>
<td>University of Ibadan</td>
</tr>
<tr>
<td>Cristopher Bulo</td>
<td>Makerere University</td>
</tr>
<tr>
<td>Daniel De Villiers</td>
<td>University of the Witwatersrand</td>
</tr>
<tr>
<td>David Anonneze</td>
<td>Nnamdi Azikiwe University</td>
</tr>
<tr>
<td>Dorcas Eyiina</td>
<td>University of Ibadan</td>
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<tr>
<td>Dozie Anyanwu</td>
<td>Federal University of Technology, Owerri</td>
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<tr>
<td>Elly Mulumbu</td>
<td>Jomo Kenyatta University of Agriculture and Technology</td>
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<td>Emmanuel Huadji</td>
<td>Kwame Nkrumah University of Science and Technology</td>
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<td>Esther Muturi</td>
<td>Jomo Kenyatta University of Agriculture and Technology</td>
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<tr>
<td>Evans Quaye</td>
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<td>Hillary Korir</td>
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<tr>
<td>Imonitie Imorame</td>
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<tr>
<td>Isioma Owumueh</td>
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<td>Jonas Sikah</td>
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<tr>
<td>Lawrence Anine</td>
<td>Federal University of Petroleum Resources, Effurun, Delta State, Nigeria</td>
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<td>Nnaemeka Okoli</td>
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<td>Siyanda Mngadi</td>
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<td>Sunday Olotu</td>
<td>Obafemi Awolowo University</td>
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<tr>
<td>Sunday Oladele</td>
<td>University of Lagos, Lagos, Nigeria</td>
</tr>
<tr>
<td>Tębogo Makhaba</td>
<td>University of Botswana</td>
</tr>
<tr>
<td>Travis Smithard</td>
<td>University of Cape Town</td>
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### 2014 SEP Recipients — Nizhny Novgorod, Russia

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<thead>
<tr>
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<tbody>
<tr>
<td>Aatisha Mahajan</td>
<td>University of Oslo</td>
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<tr>
<td>Aminu Isyaku</td>
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<tr>
<td>Anastasia Galperina</td>
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<td>Andrei Arzhakov</td>
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<tr>
<td>Anna Aleksandrovskaia</td>
<td>Perm State National Research University</td>
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<td>Astrid de Jesus Torres Fernandez</td>
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<td>Dennis Obidegwu</td>
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<td>Ekaterina Shurgalina</td>
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<tr>
<td>Elena Malovichko*</td>
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<tr>
<td>Gaurav Tomar</td>
<td>IPG, Paris, France</td>
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<td>Irfan Baig</td>
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<td>Jaroslav Jirku</td>
<td>Charles University in Prague, Faculty of Science</td>
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<tr>
<td>Josef Vlček</td>
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<td>Kate Sarycheva</td>
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<td>Küniül Ibadova</td>
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<td>Mahak Singh Chauhan</td>
<td>University of Naples, Federico II</td>
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<tr>
<td>Malgorzata Drwila</td>
<td>AGH University of Science and Technology</td>
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</table>
2014 SEG/ExxonMobil Student Education Program (SEP) Recipients and Participants (cont’d)

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<tr>
<td>Nina Kudelina</td>
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<td>Ramona Niemann</td>
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<td>Tymon Skrzynik</td>
<td>AGH University of Science and Technology</td>
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<tr>
<td>Zehra Altan</td>
<td>Istanbul Technical University</td>
</tr>
</tbody>
</table>

*SEP participant only

2014 SEP Recipients — Denver, Colorado

<table>
<thead>
<tr>
<th>STUDENT</th>
<th>UNIVERSITY</th>
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<tbody>
<tr>
<td>Amna Feroz</td>
<td>University of Alberta</td>
</tr>
<tr>
<td>Bin Yang</td>
<td>Missouri University of Science and Technology</td>
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<tr>
<td>Blaine Bockholt</td>
<td>University of Memphis</td>
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<tr>
<td>Chelsea Squires</td>
<td>Memorial University of Newfoundland</td>
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<tr>
<td>Chen Qi*</td>
<td>University of Houston</td>
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<tr>
<td>Daniel Baah</td>
<td>University of Texas–Arlington</td>
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<tr>
<td>Diar Ibrahim*</td>
<td>University of Iowa</td>
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<td>Fabiola Ruiz Pelayo</td>
<td>University of Houston</td>
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<td>Gabriel Fabien-Ouellet</td>
<td>University of Quebec INRS</td>
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<td>Haibin Di</td>
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<td>Hannah King</td>
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<td>Katie Taladay</td>
<td>University of Hawaiï–Manoa</td>
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<td>Ke Chen</td>
<td>University of Alberta</td>
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<td>Kevin Liner*</td>
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<td>Lamees Mohamed</td>
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<td>Li Ren</td>
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<tr>
<td>Lucas Willemsen</td>
<td>Massachusetts Institute of Technology</td>
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<td>Mimi Do*</td>
<td>University of Texas–San Antonio</td>
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<td>Simisola Arogundade*</td>
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<td>Xiaotao Yang</td>
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<td>Xuan Qin*</td>
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<td>Yanjun Hao</td>
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<td>Yuanyuan Liu*</td>
<td>Stony Brook University</td>
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<td>Yue Du</td>
<td>University of Houston</td>
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*SEP participant only
2014 SEG Annual Meeting Travel Grant Recipients

<table>
<thead>
<tr>
<th>STUDENT</th>
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<tbody>
<tr>
<td>Amr Ibrahim</td>
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<td>Marko Vanic</td>
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<td>Meixia Geng</td>
<td>Jilin University</td>
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<tr>
<td>Umair bin Waheed</td>
<td>King Abdullah University</td>
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<tr>
<td>Lindsey J. Heagy</td>
<td>University of Houston</td>
</tr>
<tr>
<td>Xuan Qin</td>
<td>University of Science and Technology</td>
</tr>
</tbody>
</table>

2014 Intel International Science and Engineering Fair Awards, sponsored by Dick and Fran Baile

- **First place:**
  Yongpeng Tang, St. James, New York, “Data Sonification with the Seismic Signature of Ocean Surf”

- **Second place:**
  Min Jean Cho, San Diego, California, “Applying Bayes’ Theorem to DNA Sequence for Identification of Pathogenic Bacteria”
  Naomi Benson, Deerfield, Illinois, “Tsunami Mitigation as a Function of Alterations in Bottom Friction”

- **Third place:**
  Michael Litt, Pepper Pike, Ohio, “A Novel Filter for Tracking Trends in Noisy Real-time Data”
  Daniel Pflueger, Lueneburg, Germany, “Measuring Water Waves”

2014 SEG Challenge Bowl International Finals Recipients

- **First place:** Team Poland
  Bartosz Gierlach, AGH University of Science and Technology, Poland
  Paulina Kotlarek, Adam Mickiewicz University, Poland

- **Second place:** Team Columbia
  José David Henao Casas, Universidad Nacional de Colombia–Sede Medellín
  León Fernando Ramirez Hoyos, Universidad Nacional de Colombia–Sede Medellín

2014 Dan Loewenthal Best Student Paper Award Recipient

(Presented at 2013 Annual Meeting)

- **Best Student Paper:**
  Tieyuan Zhu, “Application of seismic boundary-preserving constrained inversion for delineating reservoir body”

- **Award of Merit, Best Student Paper:**
  Lindsey J. Heagy, “Investigating the potential of using conductive or permeable proppant particles for hydraulic fracture characterization”

- **Best Student Poster Paper:**
  Luke Decker, “Comparison of seismic diffraction imaging techniques: Plane wave destruction versus apex destruction”

- **Award of Merit, Best Student Poster Paper:**
  Nathan Leon Foks, “Automatic boundary detection using potential-field data”
Field Camp Grants

2014 Field Camp Grant Recipients

<table>
<thead>
<tr>
<th>Field Camp</th>
<th>Recipient</th>
<th>Project Manager</th>
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<tbody>
<tr>
<td>Fourth International Archaeo-Geophysical Student Field Camp</td>
<td>University of Belgrade</td>
<td>Marko Vanic</td>
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<tr>
<td>AfricaArray Field School–Growth into Africa</td>
<td>University of Witwatersrand</td>
<td>Susan Webb</td>
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<tr>
<td>Applied Geophysics Field School</td>
<td>Swiss Federal Institute of Technology</td>
<td>Lasse Rabenstein and Thomas Blum</td>
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<tr>
<td>Enhanced Geophysical Field Camp in Kitui, Kenya</td>
<td>Jomo Kenyatta University</td>
<td>Maurice Korowe</td>
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<tr>
<td>Full Access to the Geology of Vancouver</td>
<td>University of Cincinnati</td>
<td>Christopher Atchison</td>
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<td>GeoFORCE</td>
<td>University of Texas–Austin</td>
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<td>Geophysical Field Camp</td>
<td>University of Bucharest</td>
<td>Victor Mocanu</td>
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<tr>
<td>Geophysical Field Practice at the White Sea</td>
<td>Moscow State University</td>
<td>Dmitry Korost</td>
</tr>
<tr>
<td>Geophysics Field Camp</td>
<td>Colorado School of Mines</td>
<td>Andrei Swidinsky</td>
</tr>
<tr>
<td>Geophysics Field Camp</td>
<td>Imperial College London</td>
<td>Adam Booth</td>
</tr>
<tr>
<td>Geophysics Field Camp</td>
<td>Universitas Gadjah Mada</td>
<td>Dwi Noviyanto</td>
</tr>
<tr>
<td>Geophysics Field School</td>
<td>University of Houston</td>
<td>Robert Stewart</td>
</tr>
<tr>
<td>International Field Camp of Applied Geophysics in Archaeology</td>
<td>University of Belgrade</td>
<td>Dejan Naumov</td>
</tr>
<tr>
<td>Marine Geology and Geophysics Shipboard Field Experience</td>
<td>University of Belgrade</td>
<td>Sean Gulick</td>
</tr>
<tr>
<td>SAGE (Summer of Applied Geophysical Experience)</td>
<td>Purdue University</td>
<td>Lawrence Braile</td>
</tr>
<tr>
<td>Student Directed Geophysical Field Exercise in Unaweep Canyon</td>
<td>University of Oklahoma</td>
<td>Jamie Rich</td>
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</tbody>
</table>

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