GSA Medal & Awards Recipients



George Plafker



Neal R. Iverson



Sterling J. Nesbitt



Thure E. Cerling



Alexander E. Gates



Aradhna Tripati



Jean Bahr



Sonia M. Tikoo



Ray E. Wells



August Neri



Zvi Garfunkel

PENROSE MEDAL

George Plafker, U.S. Geological Survey, Menlo Park

ARTHUR L. DAY MEDAL

Neal R. Iverson, Iowa State University

YOUNG SCIENTIST AWARD (DONATH MEDAL)

Sterling J. Nesbitt, Virginia Tech

PRESIDENT'S MEDAL OF THE GEOLOGICAL **SOCIETY OF AMERICA**

Thure E. Cerling, University of Utah

GSA PUBLIC SERVICE AWARD

Alexander E. Gates, Rutgers University-Newark

RANDOLPH W. "BILL" AND CECILE T. BROMERY AWARD FOR MINORITIES

Aradhna Tripati, University of California at Los Angeles

GSA DISTINGUISHED SERVICE AWARD

Jean Bahr, University of Wisconsin-Madison

DORIS M. CURTIS OUTSTANDING WOMAN IN SCIENCE AWARD

Sonia M. Tikoo, Rutgers University

GEOLOGIC MAPPING AWARD IN HONOR OF FLORENCE BASCOM

Ray E. Wells, U.S. Geological Survey, Portland

HONORARY FELLOWS

August Neri, Istituto Nazionale de Geofisica e Vulcanologia Zvi Garfunkel, Hebrew University of Jerusalem



GSA Presidential Address & Awards Ceremony



PRESIDENT Isabel P. Montañez

Sunday, 22 Oct.

Washington State Convention Center, Ballroom 6A Noon-1:30 p.m.

Plan to attend and help honor this year's award recipients and newly elected Fellows.



PRESIDENT-ELECT Robbie Rice Gries

GSA Division Primary Awards



RIP RAPP ARCHAEOLOGICAL GEOLOGY AWARD

Archaeological Geology Division

Panagiotis (Takis) Karkanas, Malcolm H. Wiener
Laboratory for Archaeological Science

O.E. MEINZER AWARD

Hydrogeology Division **Donald O. Rosenberry,** U.S. Geological Survey, Denver

GILBERT H. CADY AWARD

Energy Geology Division

Cortland F. Eble, University of Kentucky,
Kentucky Geological Survey

ISRAEL C. RUSSELL AWARD

Limnogeology Division No award in 2017

E.B. BURWELL, JR. AWARD

Environmental & Engineering Geology Division
Johnson, P.L., Shires, P.O., and Sneddon, T.P., 2016,
Geologic and Geotechnical Factors Controlling Incipient Slope
Instability at a Gravel Quarry, Livermore Basin, California:
Environmental & Engineering Geoscience, v. 22, p. 141–155,
doi:10.2113/gseegeosci.22.2.141.

DISTINGUISHED GEOLOGIC CAREER AWARD

Minerology, Geochemistry, Petrology, and Volcanology Division Jon P. Davidson, Durham University (deceased)

G.K. GILBERT AWARD

John A. Grant III, Smithsonian Institution Center for Earth and Planetary Studies

OUTSTANDING CONTRIBUTIONS AWARD

Geoinformatics Division

Kerstin Lehnert, Lamont-Doherty Earth Observatory,
Columbia University

KIRK BRYAN AWARD FOR RESEARCH EXCELLENCE

Quaternary Geology and Geomorphology Division Leslie D. McFadden, University of New Mexico

GEORGE P. WOOLLARD AWARD

Geophysics Division
Susan Beck, University of Arizona

LAURENCE L. SLOSS AWARD

Sedimentary Geology Division **Isabel P. Montañez,** University of California at Davis

BIGGS AWARD FOR EXCELLENCE IN EARTH SCIENCE TEACHING

Geoscience Education Division **Laura Lukes,** George Mason University

CAREER CONTRIBUTION AWARD

Structural Geology and Tectonics Division Arthur Snoke, University of Wyoming

MARY C. RABBITT HISTORY OF GEOLOGY AWARD

History and Philosophy of Geology Division A.M. Celâl Şengör, Istanbul Technical University

GSA Fellows

Society Fellowship is an honor bestowed on the best of our profession by election at the spring GSA Council meeting. GSA members are nominated by existing GSA Fellows in recognition of their distinguished contributions to the geosciences.

GSA's newly elected Fellows will be recognized at the 2017 GSA Annual Meeting Presidential Address & Awards Ceremony at Sun., 22 Oct., noon–1:30, Washington State Convention Center, Ballroom 6A.



Mark H. Anders Robert Charles Anderson Donald F. Argus John C. Ayers Rachel J. Beane Callan Bentley Andrew T. Calvert Barbara Carrapa Cinzia Cervato Matthew Clapham Drew Steven Coleman John A. Diemer M. Darby Dyar Mark A. Evans Russell C. Evarts Ralph Owen Ewers Jack D. Farmer Joan L. Florsheim Martha Scott Gilmore Bosiljka Glumac Steven L. Goodbred Michael N. Gooseff

Mott Greene Timothy J. Grundl Stephen E. Haggerty Ralph Haugerud Shaul Hurwitz Manuel A. Iturralde-Vinent Kathleen R. Johnson Simon Allen Kattenhorn Adam John Kent Marcus M. Key Jr. Michelle Anne Kominz Timothy Michael Kusky Conrad C. Labandeira Neil H. Landman Peter B. Larson Kathy J. Licht Mark Little Kelly Hong Liu Gwendolyn L. Macpherson J. Brian Mahoney Florian Maldonado Carrie Ann Masiello

John E. McCray Patricia Allison McCrory Donald George Mikulic Scott A. Minor Joseph N. Moore Joseph D. Ortiz David R. M. Pattison Timothy Scott Paulsen Aaron J. Pietruszka J. Michael Rhodes William Ian Ridley Jeffrey G. Ryan Daniel H. Sandweiss Matthew R. Saltzman Kevin M. Schmidt Janet L. Slate Aleksey V. Smirnov Catherine Snelson Scott D. Stanford David W. Szymanski Neil John Tabor Todd A. Thompson

Robert S. Thompson Hari Selvi Viswanathan Alian Wang Cathy L. Whitlock Alan G. Whittington Alicia M. Wilson Kenneth H. Wohletz Wenjiao Xiao

Award Lectures

GSA Presidential Address

Isabel P. Montañez



"Mind the Gap": GSA's Role in an Evolving Global Society
Sun., 22 Oct., noon–1:30, Washington State
Convention Center, Ballroom 6A
(see p. 22)

The following awardees will be recognized at the Presidential Address & Awards Ceremony and will lecture on their chosen topics on separate dates and times.

Gold Medal Lectures

George Plafker, GSA's 2017 Penrose Medal recipient, will speak



on "Rocks & Shocks: Geologists' Adventures with Paleosiesmology, Seismic Geology, and Earthquake Tectonics" in session T217: Challenges in Tectonics 5: Synergies between Meeting Societal Needs and Advancing Interdisciplinary Research in Tectonics and

Structural Geology, at The Conference Center, Tahoma 2, on Sun., 22 Oct., 5:05–5:25 p.m.

Neal R. Iverson, GSA's 2017 Arthur L. Day Medal recipient,



will speak on "Basal Slip of Glaciers: Creeping toward Better Parameterizations" in session T177: Ice Streams of North American Ice Sheets and Their Stratigraphic and Sedimentary Record, at The Conference Center, Chelan 2, on Mon., 23 Oct., 1:35–1:55 p.m.

Sterling Nesbitt, GSA's 2017 Young Scientist Award (Donath



Medal) recipient, will speak on "Rethinking the Rise of Dinosaurs and Their Kin: New Fossils Have Reshaped How We Characterize the Origin of Dinosaurs" in session T40: Earth Life Transitions and Major Continental Biological Events of the Phanerozoic, at the

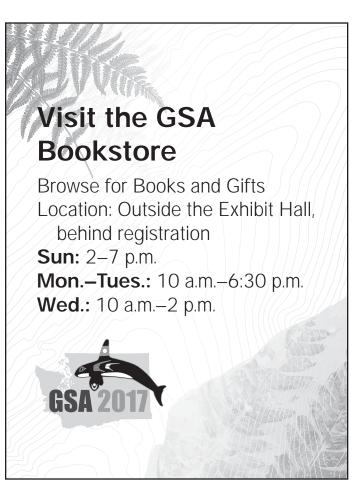
Washington State Convention Center, Room 611, on Mon., 23 Oct., 10:15–10:45 a.m.

President's Medal Lecture

Thure Cerling, GSA's 2017 President's Medal recipient, will



address "Cross Disciplinary Science— Thoughts on Practice and Training" in session T168: Advances in Terrestrial Paleoclimate Reconstructions Using Paleosols, at The Conference Center, Skagit 3, on Tues., 24 Oct., 8:05–8:25 a.m.



LUNCHTIME ENLIGHTENMENT

Grab your lunch at a nearby convention center vendor and enjoy a little lunchtime enlightenment. Each presentation will take place in Ballroom 6A of the Washington State Convention Center.



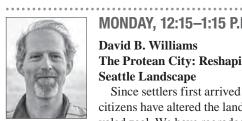
SUNDAY, NOON-1:30 P.M.

In conjunction with the GSA Awards & Medals Ceremony

Isabel P. Montañez, GSA 2017 Presidential Address

"Mind the Gap": GSA's Role in an Evolving **Global Society**

We are at the cusp of a historic time regarding the interface of science and society. Over two decades ago, GSA President Eldridge Moores addressed the "gulf in perception separating geoscientists from many other people" and presaged the growth of the divide (Moores, 1996). Facets of this issue have been the focus of several subsequent GSA presidential addresses highlighting its importance to the Society's mission. The gap has multiple dimensions, including those between the subdisciplines of geosciences, unfulfilled potential for cross-disciplinary research, and the broader divide between the science literate and others less knowledgeable or appreciative of the relevance of the earth sciences to their lives. Most notable is the apparent growth of the science-society gap in recent years. In this talk, Montañez will address the role of GSA in this evolving global landscape and the opportunities to contribute to mending the gap. As GSA undergoes strategic planning over the next year we will explore innovative ways to build on and enhance the Society's efforts to advance, communicate, and promote our science and its benefit to humanity.



MONDAY, 12:15-1:15 P.M.

David B. Williams The Protean City: Reshaping the Seattle Landscape

Since settlers first arrived in Seattle, the city's citizens have altered the landscape with an unrivaled zeal. We have regraded hills, which

required moving more than 11 million cubic yards of sediment; reengineered tide flats, which led to the making of more than 2,200 acres of new land; and re-plumbed the second largest lake in the state, which completely altered its drainage. The goal of these projects was to provide better locations for business and easier ways to move through the challenging topography.

Seattleites are still at it, though now we also understand that earthquakes and rising sea levels have the potential to change us as much as we have changed the land.

Based on his book, Too High and Too Steep: Reshaping Seattle's Topography, David B. Williams' talk will explore the myriad ways that Seattle has reimagined and reengineered its landscape.

Williams is a naturalist, author, and educator whose award-winning book explores the unprecedented engineering projects that

shaped Seattle during the early part of the twentieth century. Previous books include The Seattle Street Smart Naturalist: Field Notes from the City and Stories in Stone: Travels through Urban Geology, which was nominated for a Washington State Book Award in 2010. He has written for Earth, Smithsonian, and National Wildlife and maintains the website GeologyWriter.com.



TUESDAY, 12:15-1:15 P.M.

2017 GSA Michel T. Halbouty **Distinguished Lecturer** John (Jack) Shroder **Afghanistan Resources: Rapacious Extraction, Ruined Environments, and Chaos Continuation?**

The rich minerals, hydrocarbons, and waters of Afghanistan have been known for more than half a century, yet some have only belatedly realized that trillions of resource dollars might enable hard-pressed Afghanistan to rebuild the war-destroyed infrastructure. This could enable withdrawal of the foreign militaries, a strong desire of those who struggle greatly against the Taliban and ISIS insurgencies. Other critics think Western powers and multinational companies are in this Longest War not to help Afghanistan recover normalcy but rather to exploit the beleaguered country and run off with cheap resources. The reality is that a corrupt and kleptocratic governmental elite of only marginal technical capability has been incapable of providing transparency in the mineral tender processes or adequate licensing and royalty production for the extractive industries. Pressure from the International Monetary Fund and others to open up the mining in haste, without placing sound vision, a proper legal framework, or well-functioning management institutions have greatly limited any success. Simultaneously, armed mining oligarchies have dug in to extract profits in league with the insurgencies to use minerals as revenue generators. Wise ideas and plans for transparent mineral extraction and development of resource corridors have run aground on bureaucratic incompetence and lethargy. In the "Wild-West" mining environment of Afghanistan, rampant excitement over get-richquick schemes has drawn in companies with variable foreign-government support, as well as Afghan insiders looking to make quick profits. China and India are expected to benefit most, along with a host of the new mining oligarchs and insurgents, but not the legitimate government of the country unless suggested strong changes are successful. A second wind for the mining sector has been promoted recently, however, by a revolving door of ministers of mines to get the Ministry of Mines and Petroleum correctly focused, coupled with the possible moderate success of the new Afghanistan

continued on next page...

Extractive Industries Transparency Initiative. It remains to be seen whether or not the resources can be extracted with minimal environmental damage to help the local people, or they should be left untouched to keep the profits away from the mineral mafias.



WEDNESDAY, 12:15-1:15 P.M.

Laurance Donnelly Forensic Geology: The Applications of Geology to Police and Law Enforcement

Forensic geology (also known as forensic geoscience or geoforensics) is the application of geology to policing and law enforcement, and

may be applicable in a court of law. Forensic geologists provide advice and support in relation to serious crimes, such as homicide and sexual assaults, organized crime, counterterrorism, kidnapping, humanitarian incidents, environmental crimes, wildlife crime, precious minerals, illegal mining, metals and minerals theft, fraudulent crimes, fakes, and searches.

Generally, forensic geologists may support the police by (a) providing the analysis of geological (trace) evidence, (b) crime scene examinations, and/or (c) conducting ground and water searches.

Geological (trace) evidence involves collection from a crime scene, offender, or item, followed by analysis, interpretation, presentation, and explanation of that evidence. This may help determine what happened and where and when it occurred. Geological evidence can vary considerably and may include rock fragments, soils, and sediments; artificial (anthropogenic) man-made materials derived from geological raw materials. such as bricks, concrete, glass, or plaster board; or micro-fossils. These may be transferred onto the body, person, or clothing of a victim or offender. This evidence may then be used to see if there could be an association between different items or objects.

Forensic geologists also search for objects buried in the ground, otherwise concealed, or discarded in water, including homicide graves, mass graves related to genocide, weapons, firearms, improvised explosive device components, drugs, stolen items, money, coinage, and jewelry.

Over the past decade or so, there have been at around 227 recorded international forensic geology events. Nine text books have been published, along with numerous technical papers, conference proceedings, and popular press articles. Professional working groups have been established, specially aimed at promoting and developing forensic geology, such as the International Union of Geological Sciences Initiative on Forensic Geology (IUGS-IFG).

This presentation will provide an overview of forensic geology. It draws on operational casework experiences and provides information on the logistical aspects of working with the police. It should be noted that, in the context of the theme of this presentation, images of crime scenes and human remains will be included.

Future GSA Annual Meetings

2018

Indianapolis, Indiana, USA (4-7 November)

2019

Phoenix, Arizona (22–25 September)

2020

Montréal, Québec, Canada (25-28 October)

2021

Portland, Oregon, USA (10–13 October)

2022

Denver, Colorado, USA (9-12 October)

2023

Pittsburgh, Pennsylvania, USA (15–18 October)

2024

Anaheim, California, USA (22–25 September)



GeoCorps Enterprise

GeoCorps™ America is now accepting industry partners!

Use GSA to find the best students and recent graduates for your short-term projects during the summer and other times of the year. You focus on the geoscience, and we'll take care of the administration. Contact Matt Dawson for more information, +1-303-357-1025.

geocorps@geosociety.org

www.geosociety.org/GeoCorpsEnterprise

RENEW YOUR 2018 MEM SEES HIP

The things I value most ...



David W. Szymanski, Ph.D.

Without a hint of hyperbole, becoming a member of GSA changed my life. From field camp to the halls of the U.S. Capitol, my journey as a professional earth scientist was made possible by the opportunities and the people of GSA.

Bentley University 2008-09 GSA/USGS Congressional Science Fellow Geology & Society Division Chair GSA Member since 1997 GSA Fellow since 2017

Catherine Smith

My advice to all geoscience students is to attend GSA annual and sectional meetings, apply for student and conference travel grants, and to be an active member. You never know when you are going to meet someone who can help you.



GSA Member since 2013



Lewis Land

The things I value most about my GSA membership are the opportunities it provides for professional interaction with other geoscientists and students at the national and regional meetings. I continue to be surprised at how much I learn, and not just from the technical sessions.

New Mexico Bureau of Geology and Mineral Resources and National Cave and Karst Research Institute GSA Member since 1992

Susan Stover

GSA membership has enriched my life professionally and intellectually. Whether you are motivated to expand your network of smart, adventurous geoscientists or want to follow up on a research interest that got left behind in graduate school, there is sure to be a committee or division to nurture your interest.

Kansas Geological Survey GSA Member since 2010 GSA Fellow since 2015



Tiffany Rivera

GSA is more than just a membership. It is a community of learners and scientists. It is a way to be involved with geoscience beyond my institution, and a way to give back to an organization that has given me so many opportunities.

Westminster College GSA Member since 2006



150/o*
Visit the GSA Booth in
the Exhibit Hall and
recieve a free gift

*Discount applies to those in high income country/territory economies.

www.geosociety.org/members/



Awards & Lectures Calendar

AWARD/LECTURE NAME AWARDEE/ SPEAKER/TALK LOCATION/DAY/TIME

TCC—The Conference Center, WSCC—Washington State Convention Center.

GEOLOGICAL SOCIETY OF AMERICA		
Arthur L. Day Medal	Neal R. Iverson	WSCC, Ballroom 6A, 22 Oct., noon–1:30 p.m.
Arthur L. Day Medal Lecture	Neal R. Iverson, "Basal slip of glaciers: Creeping toward better parameterizations"	TCC, Chelan 2, 23 Oct., 1:30–1:55 p.m.
Distinguished Service Award	Jean Marie Bahr	WSCC, Ballroom 6A, 22 Oct., noon-1:30 p.m.
Geologic Mapping Award in Honor of Florence Bascom	Ray E. Wells	WSCC, Ballroom 6A, 22 Oct., noon–1:30 p.m.
Honorary Fellow	Zvi Garfunkel	WSCC, Ballroom 6A, 22 Oct., noon-1:30 p.m.
Honorary Fellow	Augusto Neri	WSCC, Ballroom 6A, 22 Oct., noon-1:30 p.m.
GSA International Lecturers	Ross Stein and Iain Simpson Stewart	Sheraton Seattle Hotel, Ravenna, 23 Oct., 5:30–7:30 p.m.
John C. Frye Memorial Award in Environmental Geology	Jonathan White, Matthew Morgan, Karen Barry	Sheraton Seattle Hotel, Jefferson, 24 Oct., 7 a.m.–noon
Doris M. Curtis Outstanding Woman in Science Award	Sonia M. Tikoo	WSCC, Ballroom 6A, 22 Oct., noon–1:30 p.m.
Penrose Medal	George Plafker	WSCC, Ballroom 6A, 22 Oct., noon-1:30 p.m.
Penrose Medal Lecture	George Plafker, "Rocks and shocks: Continental margin tectonics, giant arc megathrust events, tsunami generation, and paleoseismology"	TCC, Tahoma 2, 22 Oct., 5–5:30 p.m.
Presidential Address	Isabel P. Montañez, "Mind the Gap": GSA's Role in an Evolving Global Society	WSCC, Ballroom 6A, 22 Oct., noon–1:30 p.m.
President's Medal	Thure E. Cerling	WSCC, Ballroom 6A, 22 Oct., noon-1:30 p.m.
President's Medal Lecture	Thure E. Cerling, "Cross-disciplinary science— Thoughts on practice and training"	TCC, Skagit 3, 24 Oct., 8–8:25 a.m.
Public Service Award	Alexander Gates	WSCC, Ballroom 6A, 22 Oct., noon-1:30 p.m.
Randolph W. "Bill" and Cecile T. Bromery Award for Minorities	Aradhna Tripati	WSCC, Ballroom 6A, 22 Oct., noon–1:30 p.m.
Young Scientist Award (Donath Medal)	Sterling J. Nesbitt	WSCC, Ballroom 6A, 22 Oct., noon-1:30 p.m.
Young Scientist Award (Donath Medal) Lecture	Sterling J. Nesbitt, "Rethinking the rise of dinosaurs and their kin: New fossils have reshaped how we characterize the origin of dinosaurs"	WSCC, Room 611, 23 Oct., 10:15–10:35 a.m.
GSA DIVISIONS AND SECTIONS	T	
Archaeological Geology		
Claude C. Albritton, Jr., Scholarship Award	Leila Donn	WSCC, 3B, 23 Oct., 5:45–8 p.m.
Richard Hay Student Paper/Poster Award	TBD	WSCC, 3B, 23 Oct., 5:45–8 p.m.
Rip Rapp Archaeological Geology Award	Panagiotis (Takis) Karkanas	WSCC, 3B, 23 Oct., 5:45–8 p.m.
Energy Geology		
Antoinette Lierman Medlin Research Award	Kuo Li	Tap House Grill, Club Room, 24 Oct., 5:30–7:30 p.m.
Antoinette Lierman Medlin Research Award	Matt Costa	Tap House Grill, Club Room, 24 Oct., 5:30–7:30 p.m.
Gilbert H. Cady Award	Cortland F. Eble	Tap House Grill, Club Room, 24 Oct., 5:30–7:30 p.m.

Awards & Lectures Calendar

AWARD/LECTURE NAME AWARDEE/ SPEAKER/TALK LOCATION/DAY/TIME TCC—The Conference Center, WSCC—Washington State Convention Center.

Environmental and Engineering Geology		
E.B. Burwell, Jr., Award	Philip L. Johnson, Patrick O. Shires, Timothy P. Sneddon	Blueacre Seafood, South Dining Room, 23 Oct., 5:30–9 p.m.
Distinguished Practice Award	Jeffrey A. Coe	Blueacre Seafood, South Dining Room, 23 Oct., 5:30–9 p.m.
Meritorious Service Award	Matthew M. Crawford Norman S. Levine	Blueacre Seafood, South Dining Room, 23 Oct., 5:30–9 p.m.
Richard Jahns Distinguished Lecturer	Scott Anderson	WSCC, Room 611, 22 Oct., 11:30 a.mnoon
Roy J. Shlemon Scholarship Award	Jory Chapin Lerback	Blueacre Seafood, South Dining Room, 23 Oct., 5:30–9 p.m.
Roy J. Shlemon Scholarship Award	Hannah Chapella	Blueacre Seafood, South Dining Room, 23 Oct., 5:30–9 p.m.
Geobiology & Geomicrobiology	T	Ta.
Outstanding Contributions to Geomicrobiology Award	Marilyn Fogel	Sheraton Seattle Hotel, Issaquah, 23 Oct., noon–1:15 p.m.
Outstanding Contributions Award—Pre-Tenure	Chris Reinhardt	Sheraton Seattle Hotel, Issaquah, 23 Oct., noon–1:15 p.m.
Outstanding Contributions Award—Post-Tenure	Susannah Porter	Sheraton Seattle Hotel, Issaquah, 23 Oct., noon–1:15 p.m.
Geoinformatics		T
Outstanding Contributions in Geoinformatics Award	Kerstin A. Lehnert	Sheraton Seattle Hotel, Issaquah, 23 Oct., 7–9 p.m.
Geology and Society		
Distinguished Lecture	Greg Estes: "Darwin and Galapagos: Then and Now"	WSCC, Room 602/603, 24 Oct., 12:15–1:15 p.m.
Combusing		
Geophysics	Z. d V.	TOC V-1: 1 22 Oct 5.45 (-15
Allan V. Cox Student Research Award George P. Woollard Award and Technical	Zonbgo Xu Susan L. Beck, "Contributions of modern seis-	TCC, Yakima 1, 23 Oct., 5:45–6:15 p.m.
Lecture	mic imaging to understanding the formation of the Andes"	TCC, Yakima 1, 23 Oct., 4:15–5:15 p.m.
Student Research Award	Zheng Gong	TCC, Yakima 1, 23 Oct., 5:45–6:15 p.m.
Geoscience Education		
Biggs Award for Excellence in Earth Science Teaching	Laura Ann Lukes	Sheraton Seattle Hotel, Metropolitan Ballroom A, 24 Oct., 11:30 a.m.–1 p.m.
History and Philosophy of Geology		
Gerald M. and Sue T. Friedman History of	Panaa M. Clary	Sheraton Seattle Hotel, Ballard Room, 24 Oct.,
Geology Distinguished Service Award	Renee M. Clary	noon–2 p.m.
Mary C. Rabbitt History of Geology Award	A.M. Celâl Şengör	Sheraton Seattle Hotel, Ballard Room, 24 Oct., noon–2 p.m.

AWARD/LECTURE NAME	AWARDEE/ SPEAKER/TALK	LOCATION/DAY/TIME
--------------------	-----------------------	-------------------

TCC—The Conference Center, WSCC—Washington State Convention Center.

Hydrogeology		
Birdsall-Dreiss Distinguished Lecture	F. Edwin Harvey, "Water resource stewardship in the U.S. National Park Service"	WSCC, Ballroom 6B, 24 Oct., 4:30–5:30 p.m.
George Burke Maxey Distinguished Service Award	Carol Wicks	WSCC, Ballroom 6B, 24 Oct., 11:30–2:30 p.m.
Henry Darcy Distinguished Lecture	Kamini Singha, "A tale of two porosities: Exploring why contaminant transport doesn't always behave the way it should"	WSCC, Room 615/616/617, 23 Oct., 4–5 p.m.
Kohout Early Career Award	Martin A. Briggs	WSCC, Ballroom 6B, 24 Oct., 11:30–2:30 p.m.
O.E. Meinzer Award	Don Rosenberry	WSCC, Ballroom 6B, 24 Oct., 11:30–2:30 p.m.
Student Research Awards	Tyler King, Kayla Lockmiller, Inoka Peiris, Christina Richardson, Kaitlin Salley	WSCC, Ballroom 6B, 24 Oct., 11:30–2:30 p.m.
Limnogeology		
Israel C. Russell Award	none in 2017	n/a
Kerry Kelts Research Award	Renee M. Clary	WSCC, Ballroom 6E, 24 Oct., 6–8 p.m.
Mineralogy, Geochemistry, Petrology, and Vo	olcanology	
Distinguished Geologic Career Award	Jon Davidson	TCC, Skagit Foyer, 24 Oct., 5:45–7:30 p.m.
Early Career Award	Thomas Shea	TCC, Skagit Foyer, 24 Oct., 5:45–7:30 p.m.
Early Career Award Lecture	Thomas Shea, "The meaning of chemical zoning in olivine: Perspectives from crystallization experiments"	TCC, Skagit 2, 22 Oct., 4:45–5:30 p.m.
Student Research Awards	Miguel Cisneros, Michael Mohr, Emily First, Jonathan Rivas, Alexandra Nagurney, and Kyle Makovsky	TCC, Skagit Foyer, 24 Oct., 5:45–7:30 p.m.
Planetary Geology		
Eugene M. Shoemaker Impact Crater Award	TBD	Blueacre Seafood, South Dining Room, 24 Oct., 7–10 p.m.
G.K. Gilbert Award	John Grant	Blueacre Seafood, South Dining Room, 24 Oct., 7–10 p.m.
G.K. Gilbert Award Lecture	John Grant, "Impact craters as a tool for measuring the amount and processes of degradation on Mars"	WSCC, Tahoma 1, 24 Oct., 1:30–1:50 p.m.
Ronald Greeley Award for Distinguished Service	Dr. David Williams	Blueacre Seafood, South Dining Room, 24 Oct., 7–10 p.m.
Quaternary Geology and Geomorphology		
Arthur D. Howard Student Research Grant	Alexandra Balter	TBD
Distinguished Career Award	David Dethier	WSCC, Ballroom 6C, 24 Oct., 7–11 p.m.
Distinguished Career Award Lecture	David Dethier, "Eroding the southern Rocky Mountains—Weathering and fluid flow in slow motion in the critical zone"	TCC, Chelan 2, 23 Oct., 9:50–10:20 a.m.
Farouk El-Baz Award for Desert Research	Haim Tsoar	WSCC, Ballroom 6C, 24 Oct., 7–11 p.m.
Farouk El-Baz Award for Desert Research Technical Lecture	Haim Tsoar, "Eco-geomorphic processes acting on desert sand dunes"	TCC, Chelan 2, 22 Oct., 8:05–8:35 a.m.
J. Hoover Mackin Student Research Grant	Sarah Crump	WSCC, Ballroom 6C, 24 Oct., 7–11 p.m.

Awards & Lectures Calendar

AWARD/LECTURE NAME AWARDEE/ SPEAKER/TALK LOCATION/DAY/TIME TCC—The Conference Center, WSCC—Washington State Convention Center.

Quaternary Geology and Geomorphology		
John A. Black Research Award	Paul Russell	WSCC, Ballroom 6C, 24 Oct., 7–11 p.m.
Kirk Bryan Award	Leslie McFadden	WSCC, Ballroom 6C, 24 Oct., 7–11 p.m.
Kirk Bryan Award Lecture	Leslie McFadden, "Soil geomorphological research in arid lands: There might be a little dust on the bottle—it's one of those things that gets sweeter with time"	TCC, Chelan 2, 24 Oct., 8–8:30 a.m.
Marie Morisawa Research Award	Elizabeth Olson	WSCC, Ballroom 6C, 24 Oct., 7–11 p.m.
Peter Birkeland Research Award	Catherine Opalka	WSCC, Ballroom 6C, 24 Oct., 7–11 p.m.
Robert K. Fahnestock Memorial Award	Hima Hassenruck-Gudipati	WSCC, Ballroom 6C, 24 Oct., 7–11 p.m.
Sedimentary Geology		
Laurence L. Sloss Award	Isabel Montañez	WSCC, Ballroom 6E, 24 Oct., 6–8 p.m.
Stephen E. Laubach Research in Structural Diagenesis Award	Victoria Igoe	WSCC, Ballroom 6E, 24 Oct., 6–8 p.m.
Student Research Award	Edward Matheson	WSCC, Ballroom 6E, 24 Oct., 6–8 p.m.
Standard Coolean and Testania		
Structural Geology and Tectonics Career Contribution Award	Arthur Snoke	TCC Volviero 1 24 Oct 5:20 0 m m
		TCC, Yakima 1, 24 Oct., 5:30 – 9 p.m.
Outstanding Publication Award	W.A. Yonkee and A.B. Weil	TCC, Yakima 1, 24 Oct., 5:30–9 p.m.
Stephen E. Laubach Research in Structural Diagenesis Award	Victoria Igoe	TCC, Yakima 1, 24 Oct., 5:30–9 p.m.
Student Research Travel Grant Award	Mark Ahenda, Cassandra Brigham, Suoya Fan, Nadine Reitman, Brandt Scott	TCC, Yakima 1, 24 Oct., 5:30–9 p.m.
OTHER GROUPS		
American Geosciences Institute (AGI)		
AGI Medal in Memory of Ian Campbell Award for Superlative Service to the Geosciences	Russell G. Slayback	WSCC, Ballroom 6A, 22 Oct., noon–1:30 p.m.
AGI Award for Outstanding Contribution to Public Understanding of the Geosciences	Iain S. Stewart	Sheraton Seattle Hotel, Issaquah, 23 Oct., 5–7 p.m.
William B. Heroy Jr. Award for Distinguished Service to AGI	Richard M. Powers	Sheraton Seattle Hotel, Issaquah, 23 Oct., 5–7 p.m.
Association of American State Geologists		
John C. Frye Memorial Award in Environmental	Jonathan White, Matthew Morgan, Karen Barry	Sheraton Seattle Hotel, Jefferson, 24 Oct.,
Geology	Johannan Wille, Matthew Morgan, Kalen barry	7 a.m.–noon.
Association for Women Geologists (AWG)		
Brunton Award	TBD	WSCC, Ballroom 6E, 23 Oct., 6:30–8:30 a.m.
Chrysalis Scholarship	Alexandra Geise, Adrianne J. Engel, Rachel Thornton, Melissa Bernardino	WSCC, Ballroom 6E, 23 Oct., 6:30–8:30 a.m.
Crawford Field Camp Scholarship	TBD	WSCC, Ballroom 6E, 23 Oct., 6:30–8:30 a.m.
Outstanding Educator Award	TBD	WSCC, Ballroom 6E, 23 Oct., 6:30–8:30 a.m.

LOCATION/DAY/TIME

TCC—The Co	nference Center, WSCC—Washington State Cor	nvention Center.
Professional Excellence Award (in Academia)	TBD	WSCC, Ballroom 6E, 23 Oct., 6:30–8:30 a.m.
Professional Excellence Award (in Academia)	TBD	WSCC, Ballroom 6E, 23 Oct., 6:30–8:30 a.m.
Professional Excellence Award (in Government) Professional Excellence Award (in Industry)	TBD	WSCC, Ballroom 6E, 23 Oct., 6:30–8:30 a.m.
Winifred Goldring Award	Caitlin Colleary, Jenelle Wallace	WSCC, Ballroom 6E, 23 Oct., 6:30–8:30 a.m.
Undergraduate Excellence in Paleontology	Bethany Cobb, Maria Reistroffe	WSCC, Ballroom 6E, 23 Oct., 6:30–8:30 a.m.
Charlet and the Charlet and th	Benfany Coob, Maria Reistroffe	WSCC, Ballioolii 0E, 23 Oct., 0.30 0.30 a.iii.
Council on Undergraduate Research (CUR) G	eoCUR (Geosciences Division)	
GeoCUR Undergraduate Research Mentor Award	TBD	Sheraton Seattle Hotel, Metropolitan Ballroom A, 24 Oct., 11:30–1 p.m.
Cushman Foundation		T. D. (4.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1
Johanna M. Resig Foraminiferal Research Fellowship	Anieke Brombacher	Tango Restaurant (by invitation only), 1100 Pike St., Tues., 24 Oct., 7–10 p.m.
Joseph A. Cushman Award for Excellence in Foraminiferal Research	Dr. Bruce W. Hayward	Tango Restaurant (by invitation only), 1100 Pike St., Tues., 24 Oct., 7–10 p.m.
Joseph A. Cushman Awards for Student Travel	Megan Fung; Krystyna Kornecki; Adriane Lam; Philip Lamela; Maria Sider; Zoe Verlaak	Tango Restaurant (by invitation only), 1100 Pike St., Tues., 24 Oct., 7–10 p.m.
Joseph A. Cushman Awards for Student Research	Noémie Deldicq; Makenna Martin; Christer Pereira; Filip Scheiner	Tango Restaurant (by invitation only), 1100 Pike St., Tues., 24 Oct., 7–10 p.m.
Loeblich and Tappan Student Research Award	Eric Eubanks; Krystyna Kornecki; Joseane Marques; Sarah Trubovitz; Bethany Walker	Tango Restaurant (by invitation only), 1100 Pike St., Tues., 24 Oct., 7–10 p.m.
William V. Sliter Awards for Student Research	Lorenzo Consorti; Caitlin Livsey; Hannah Palmer; Christopher Smith	Tango Restaurant (by invitation only), 1100 Pike St., Tues., 24 Oct., 7–10 p.m.
W. Storrs Cole Award	Jessica Pilarczyk	Tango Restaurant (by invitation only), 1100 Pike St., Tues., 24 Oct., 7–10 p.m.
Geoscience Information Society (GSIS)		
Best Guidebook Award	David A. Kring	Sheraton Seattle Hotel, Ravenna A-B, 23 Oct., noon–1:30 p.m.
Best Guidebook Award	Arthur G. Sylvester and Elizabeth Gans	Sheraton Seattle Hotel, Ravenna A-B, 23 Oct., noon–1:30 p.m.
Best Paper Award	B. Schmidt, B. Gemeinholzer, and A. Treloar	Sheraton Seattle Hotel, Ravenna A-B, 23 Oct., noon–1:30 p.m.
Mary B. Ansari Best Geoscience Reference Work Award	J. Harff, M. Meschede, S. Petersen, and J. Thiede	Sheraton Seattle Hotel, Ravenna A-B, 23 Oct., noon–1:30 p.m.
Mary B. Ansari Distinguished Service Award	Linda Zellmer	Sheraton Seattle Hotel, Ravenna A-B, 23 Oct., noon–1:30 p.m.
Outstanding Geologic Field Trip Guidebook Series	Geological Society of America	Sheraton Seattle Hotel, Ravenna A-B, 23 Oct., noon–1:30 p.m.
Mineralogical Society of America (MSA)		
Mineralogical Society of America Award	Dustin Trail	Sheraton Seattle Hotel, Ravenna, 24 Oct., 12:15–2:30 p.m.
Mineralogical Society of America Award Lecture	Dustin Trail, "An accessory mineral and experimental perspective on the evolution of the crust"	TCC, Skagit 4, 24 Oct., 4–4:30 p.m.
MSA Distinguished Lecturers	John M. Cottle, Cin-Ty A. Lee, Daniela Rubatto	Sheraton Seattle Hotel, Ravenna, 24 Oct., 12:15–2:30 p.m.
Presidential Address	George Harlow, "Earth science education— Challenges in secondary schools"	TCC, Skagit 4, 24 Oct., 4:30–5 p.m.

AWARDEE/ SPEAKER/TALK

AWARD/LECTURE NAME

Awards & Lectures Calendar

AWARD/LECTURE NAME AWARDEE/ SPEAKER/TALK LOCATION/DAY/TIME TCC—The Conference Center, WSCC—Washington State Convention Center.

Mineralogical Society of America (MSA)		
Dana Medal	Thomas W. Sisson	Sheraton Seattle Hotel, Ravenna, 24 Oct., 12:15–2:30 p.m.
Dana Medal Lecture	Thomas W. Sisson, "Origins of Cascade Magmas"	TCC, Skagit 4, 24 Oct., 3:30–4 p.m.
Distinguished Public Service Medal	David W. Mogk	Sheraton Seattle Hotel, Ravenna, 24 Oct., 12:15–2:30 p.m.
Roebling Medal	Edward M. Stolper	Sheraton Seattle Hotel, Ravenna, 24 Oct., 12:15–2:30 p.m.
Roebling Medal Lecture	Edward M. Stolper, "The effects of solid-solid phase equilibria and partial melting on the oxygen fugacity of the upper mantle"	TCC, Skagit 4, 24 Oct., 3–3:30 p.m.
National Association of Geoscience Teachers (N	NAGT)	
Dorothy LaLonde Stout Award	Janet Davis; Jessica Cruz; Peter Ower	Sheraton Seattle Hotel, Metropolitan Ballroom A, 24 Oct., 11:30–1 p.m.
James H. Shea Award	Michael Mann	Sheraton Seattle Hotel, Metropolitan Ballroom A, 24 Oct., 11:30–1 p.m.
JGE Outstanding Reviewers	TBD	Sheraton Seattle Hotel, Metropolitan Ballroom A, 24 Oct., 11:30–1 p.m.
JGE Outstanding Paper	TBD	Sheraton Seattle Hotel, Metropolitan Ballroom A, 24 Oct., 11:30–1 p.m.
Neil Miner Award	Katherine Ellins	Sheraton Seattle Hotel, Metropolitan Ballroom A, 24 Oct., 11:30–1 p.m.
Robert Christman Distinguished Service Award	Gene Pearson	Sheraton Seattle Hotel, Metropolitan Ballroom A, 24 Oct., 11:30–1 p.m.
National Ground Water Association (NGWA)		
Henry Darcy Distinguished Lecture	Kamini Singha, "A tale of two porosities: Exploring why contaminant transport doesn't always behave the way it should"	WSCC, Room 615/616/617, 23 Oct., 4–5 p.m.
Paleontological Research Institute (PRI)		
The Gilbert Harris Award	TBD	Sheraton Seattle Hotel, Cedar B, 23 Oct., 5–7 p.m.
Paleontological Society		
Charles Schuchert Award	Caroline A.E. Strömberg	WSCC, Ballroom 6E, 22 Oct., 6:30–10:30 p.m.
Harrell L. Strimple Award	Ross Fargher	WSCC, Ballroom 6E, 22 Oct., 6:30–10:30 p.m.
Paleontological Society Medal	David Jablonski	WSCC, Ballroom 6E, 22 Oct., 6:30–10:30 p.m.
Pojeta Award	Ronald L. Parsley	WSCC, Ballroom 6E, 22 Oct., 6:30–10:30 p.m.

LATE-BREAKING

Discussion on Managing Coastal Hazards from the 2017 Atlantic Hurricane Events: Monitoring, Impacts, and Communication

Tues., 24 Oct., 8 am-noon, The Conference Center, Tahoma 1

GSA is hosting a late-breaking session on the geoscientific and societal aspects of this year's record-breaking hurricane events in the Atlantic and Gulf of Mexico. Panel discussions will focus on topics such as real-time and other situational awareness tools (e.g., pre- and post-storm LiDAR surveys), effects on infrastructure (lifeline and critical resources), and human/societal factors (warning and risk communication, evacuation, and direct/indirect impacts). We envision a set of small panel talks, with plenty of time for discussion.

Organizers: Monica Gowan, Jeff Rubin, David Szymanski

Cosponsored by GSA Geology & Society Division; GSA Geology & Public Policy Committee; GSA Environmental & Engineering Geology Division; GSA Hydrogeology Division; GSA Geology and Health Division

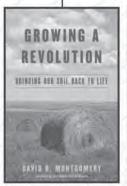


Hurricane Harvey. Image courtesy NASA.

Book and Map Signing at the GSA Bookstore

Outside the Exhibit Hall | Sunday, 22 October | 5-7 p.m.

MacArthur Fellow David R. Montgomery: author of Growing a Revolution: Bringing Our Soil Back to Life





Cruisin' the Fossil Freeway
collaborators Ray Troll (illustrator)
and Kirk Johnson (author):
Fossil Maps of the West Coast

Take home a signed treasure!

GE®CAREERS

Career Events

SUNDAY

GeoCareers Day (includes the career workshop, information session, roundtables, and panel), Washington State Convention Center (WSCC), Ballroom 6B. There is a US\$25 fee to attend.

8-9 a.m.: Career Workshop

Learn how to successfully find and apply to a job in the government or industry sectors. This workshop will be divided into 20-minute power sessions reviewing resume tips, using the USA Jobs website, and Q & A. Some participants will be accepted onsite based on space availability. There is a US\$10 cash only fee to attend if you are not registered for GeoCareers Day.

9-11 a.m.: Career Information Session

This is your opportunity to ask questions and talk one-on-one with corporate and government representatives. You'll learn about their unique work cultures and the types of careers available.

10-11:30 a.m.: Career Mentor Roundtables

Mentors from a variety of sectors will answer your career questions at table stations.

Noon-1 p.m.: Career Pathways Panel

Representatives from government and industry sectors will answer questions and offer advice in preparation for a career in these fields. Lunch provided.

Résumé Clinic

9 a.m.–5 p.m., WSCC, Ballroom 6B Fee: US\$10 (cash only)

Stop by the Résumé Clinic for a private consultation with a geoscience professional to review your résumé and discuss strategies to better market yourself to potential employers. Please bring a copy of your current résumé. First come, first served; space is limited.

Women in Geology Career Pathways Reception

5:30-7 p.m., WSCC, Ballroom 6B

This informal gathering begins with remarks from a few key women speakers who will address issues faced by women in geology. A roundtable mentoring session follows, providing time for networking, sharing ideas, and getting to know other women geoscientists.

GSA Environmental and Engineering Geology Division's Student Mentoring Session

5:30-6:30 p.m., WSCC, Room 612

A panel of experts will address a series of commonly asked questions from those emailed in advance of the meeting, and the panelists will also address questions from the students in attendance. Time will be left at the end for one-on-one interactions with individual panelists. Mentors will be available at the Division's Booth (#118) in the Exhibit Hall to further interact with students and address any outstanding questions.

MONDAY

Early Career Professionals Coffee

9-10 a.m., Sheraton Seattle, Cirrus Room

This informal gathering will include remarks from representatives of several non-profits who have activities of interest to early career professionals. There will be time for networking and sharing ideas on how these organizations can best serve you.

Networking Reception

11:30 a.m.–1 p.m., Sheraton Seattle, Metropolitan Ballroom B
This reception provides students and early career professionals
with an exciting opportunity to network with more than 40 geoscience professionals. The mentors will answer questions, offer
advice about career plans, and comment on job opportunities
within their fields.

The Paleontological Society Mentors in Paleontology Careers Luncheon

Noon-1:30 p.m., Tap House Grill

This student and early career professional luncheon features a panel of mentors representing a variety of colleges, universities, museums, and government agencies.

TUESDAY

Hydrogeology Division Careers and Networking Event

2:30-4:30 p.m., WSCC, Ballroom 6B

In a relaxed and welcoming atmosphere, this gathering will begin with remarks from hydrogeologists in a variety of career fields, including government, industry, and academia. A round-table mentoring session will follow, providing time for individuals to network, share ideas, ask questions, and discuss careers in hydrogeology.



National Park Service Geoscientists-in-the-Parks (GIP) Opportunities

Spend next summer serving in a National Park!

SUMMER 2018 GIP POSITIONS

To be posted online 1 Dec. 2017

The NPS GIP program places college students and early career professionals (18–35 years old) in National Park Service units for three months to one year to assist with geology and integrated science projects. This program is a partnership between the National Park Service, the Geological Society of America, and Environmental Stewards.

www.geosociety.org/gip









GSA GEOCORPS™ AMERICA PROGRAM



Temporary, short-term geoscience opportunities in America's amazing public lands.

SUMMER 2018 GEOCORPS POSITIONS

To be posted online 1 Dec. 2017

GeoCorps will provide dozens of exciting geoscience opportunities on federal public lands. Project areas include a wide variety of topics, such as paleontology, hydrology, geohazards, caves/karst, GIS/mapping, and more.

www.geosociety.org/geocorps





www.facebook.com/GeoCorps





Diversity & Inclusion Events All Are Welcome

Pardee Keynote Symposium (P1): The Changing Face of Geoscience in the 21st Century: Increasing Diversity and Inclusion to Solve Complex Problems.

Sun., 22 Oct., 2 p.m.–5:30 p.m., Washington State Convention Center (WSCC), Ballroom 6A, community.geosociety.org/gsa2017/science-careers/sessions/pardee.

No Means No: How to Step Up and Stop Harassment

Mon., 23 Oct., noon–1:30 p.m., WSCC Ballroom 6B. Presented by Sherry A. Marts, Ph.D., S*Marts Consulting LLC.

The damage done by harassers and bullies begins with those they target. It extends to those who witness or hear about it. And it poisons the atmosphere everywhere it happens—including in the workplace, in fieldwork settings, and at meetings and conferences. What can you do to stop harassment when you're the target? How can you step in to stop it when you see it? Learn how to recognize harassment for what it is, how to decide when to step up and step in, and approaches and methods that work to stop harassing and bullying behavior.

GSA Diversity in the Geosciences and On To the Future Alumni Reception—Open to Everyone

Tues., 5:30-7 p.m., Sheraton Seattle Hotel, Willow A

Everyone is welcome at this celebration of diversity sponsored by the GSA Diversity in the Geosciences Committee. Socialize and share ideas at this informal gathering for those interested in broadening diversity in the geosciences. GSA's On To the Future awardees will be recognized with a special presentation by the Bromery Award winner. Appetizers and a cash bar provided.

GLBT Social

Tues., 7:15-10 p.m., Palomino Restaurant

Diversity & Inclusion On To the Future Events



GSA welcomes the new cohort of On To the Future (OTF) award recipients. OTF supports students from underrepresented groups to attend their first GSA Annual Meeting.

On To the Future Welcome Gathering—Invite Only

Sat., 4:30–5:30 p.m., Washington State Convention Center (WSCC), 4th Floor, Atrium Lobby

Meet OTF awardees, mentors, and hear from GSA's President in this informal session, and then head over to the icebreaker together.

On To the Future Photo Mob-Invite Only

Sun., 6:15 p.m., Washington State Convention Center, Exhibit Hall, GSA Foundation Booth

On To the Future Gatherings—Invite Only

Mon.–Wed., 7:30–8:00 a.m., Washington State Convention Center, 4th Floor, Atrium Lobby

Presented by GSA's Officers and Councilors, these early morning sessions will introduce OTF awardees to the organization's leadership and governance structure. Presenters will discuss paid geoscience opportunities, research grants, field camps, and other opportunities. Coffee and a continental breakfast will be provided.

OTF Broadening Participation in the Geosciences through Effective Mentoring and Social Capital Development—Invite Only

Wed., 3–8 p.m. and Thurs., 8 a.m.–noon, Sheraton Seattle Hotel. Ravenna



Educator Opportunities

Geoscience Educators' Reception

Sun., 6:30–8 p.m., Seattle Sheraton, Metropolitan Ballroom A
This fun and informal reception is a great way for you to network with educators. Appetizers and a cash bar are provided.
Sponsored by the GSA Geoscience Education Division, GSA
Education Committee, American Geosciences Institute (AGI),
Incorporated Research Institutions for Seismology (IRIS), National
Association of Geoscience Teachers (NAGT), and Supporting and
Advancing Geoscience Education in Two-Year Colleges (SAGE).

Continuing Education Credits

The Annual Meeting offers an excellent opportunity to earn continuing education credits (CEUs) toward your general continuing education requirements for your employer or K–12 school. Credits are available for technical sessions, short courses, and field trips. Ten contact hours are required for one CEU. For example, one day (eight hours) of technical sessions offers 0.8 CEUs. After the meeting, there will be a link posted on the Annual Meeting website by which you can print out your CEU certificate.

K-12 Teachers Short Courses

- 512. Helping Students Thrive in Geoscience at Two-Year Colleges: Selected Strategies
- 520. Preparing for a Career in the Geosciences
- 522. Global Geoheritage: Examples and Applications
- 523. Taking Students into the Field on Their Own Time: Using the Free, NSF-Funded Flyover Country Mobile App to Design Student Self-Guided Field Experiences

Field Trips for Educators

415. Geology Underfoot: Helping Students Visualize the Geology of an Urban Landscape by Exploring the Glacial Geomorphology of the Greater Seattle Area



Washington Geology Presentations for the Public and the Geocaching Community

Sun., 1-4 p.m.

GSA and its EarthCache program are hosting a series of presentations about the geology of Washington State. These presentations are designed for the Geocaching and EarthCaching communities, as well as other members of the public, particularly local teachers.

A list of presentations and their times will be included on the GSA 2017 Annual Meeting website, **community** .geosociety.org/gsa2017, and the EarthCache homepage, www.geosociety.org/earthcache. For more information, contact Matt Dawson at mdawson@geosociety.org.



Notice of GSA

Council Meetings

GSA Annual Meeting & Exposition Seattle, Washington, USA

- ▶ Day 1: Saturday, 21 Oct. 2017 (Willow Room*)
- ▶ Day 2: Wednesday, 25 Oct. 2017 (Ravenna Room*)

Council Meetings will be held from 8 a.m.—noon in the GSA Headquarters Hotel—Sheraton Seattle, 1400 6th Ave., Seattle, Washington 98101, USA.

All GSA members are invited to attend the open portions of these meetings.

*Meeting room is subject to change. Updates will be posted.



Broaden Your Recruiting and Research Impacts with Teen Science Cafés

Tues., 24 Oct., 12:15–1:15 p.m., WSCC, Room 307/308

The Teen Science Café Network is a dynamic, growing network of programs across the country with the mission of connecting high school teenagers with science and scientists via the science cafe model. Teen Science Café programs can offer geoscience departments a substantive way to meet the challenges many of them face: finding ways to increase enrollment, helping faculty satisfy the broader impacts requirements of funding agencies, connecting with the surrounding communities, and providing opportunities for faculty and graduate students to learn how to communicate their science effectively to the public audience.



Did you know...

The Pacific Science Center in Seattle was one of the first organizations to participate in the nationwide Teen Science Café program. Teen Science Cafés are a "series of free, fun, out-of-school events where teens get to socialize over food and refreshments and have the opportunity to talk with local scientists and engineers about current cutting-edge ideas in science and technology, all in a relaxed and informal setting." GSA encourages members to participate in a Teen Science Café in their area. Learn more at https://www.pacificsciencecenter.org/teencafe/ and be in the loupe!

GSA 2017 on Social Media

GSA MEMBER COMMUNITY
Stay in touch – search the directory.

Annual Meeting attendees are listed in the Annual Meeting Community Directory, which is

accessible only to other meeting participants at **community** .geosociety.org/gsa2017/directory. Use this networking tool to search for and connect with colleagues. Keep the connections alive after the meeting through Member Community discussion forums. New to the Member Community? If you are logging in for the first time, please follow the links at community. geosociety.org to get started. We encourage you to activate your profile and upload a photo now so that others can connect with you.

Facebook—Join more than 260,000 GSA fans worldwide at www.facebook.com/GSA.1888.

Twitter—Join more than 32,000 tweeps who follow @geosociety, and tweet the meeting using hashtag #GSA2017.

YouTube—Learn more about GSA and careers in the geosciences at www.youtube.com/user/geosociety.

LinkedIn—Network and stay connected to your professional peers at http://linkd.in/1HsYwni.

Note: GSA meeting policy prohibits the use of cameras or sound-recording equipment in technical sessions.

GSA Section Travel Grants

Unless otherwise instructed in the award confirmation letter, travel grant recipients are required to sign in at the Annual Meeting Office, WSCC Room 401, show identification, verify their address, and sign the check in sheet in order to receive their check. Checks will be mailed to recipients following the meeting. Recipients who do not check in at the Annual Meeting Office during the meeting will have their grant check voided.





Pardee Keynote Symposia

All symposia, listed here in chronological order, will take place in the Washington State Convention Center (WSCC). New feature: GSA will offer CART (Communication Access Real-Time Translation) transcription services for each talk; presentations will be transcribed on the screen in real time. Read symposia descriptions and learn more about the featured speakers at community. geosociety.org/gsa2017/science/sessions/pardee.

SUNDAY

P1. The Changing Face of Geoscience in the 21st Century: Increasing Diversity and Inclusion to Solve Complex Problems 2–5:30 p.m., WSCC, Ballroom 6A

Cosponsors: GSA Geology and Society Division; GSA Committee on Diversity in the Geosciences; Earth Science Women's Network; International Association for Geoscience Diversity; Geoscience Alliance; Association for Women Geoscientists

MONDAY

P2. Landscapes in the Anthropocene

8 a.m.–5:30 p.m., WSCC, Ballroom 6A Cosponsors: GSA Quaternary Geology and Geomorphology Division; GSA Geology and Society Division; GSA Hydrogeology Division; GSA Geology and Public Policy Committee; Geology (journal)



Sun., 22 Oct. 7–9 p.m. The Pike Brewing Company, 1415 1st Ave., Seattle

Cosponsors:

GSA GeoCorps[™] America
GSA Geology and Society Division
GSA Geology and Public Policy Committee (GPPC)
GSA Science Policy Fellowship
GSA-USGS Congressional Science Fellowships
NPS Geoscientists-in-the-Parks (GIP)

The event cosponsors encourage you to drop by, have some food and drink at this hosted event, engage in discussions of geology, policy, and ways to apply geology in society through the cosponsors' programs. Refreshments provided. Beer/wine tickets available from hosting organization board members. (This event also serves as the GeoCorps and GIP reception for alumni and friends.)

TUESDAY

P3. IODP-ICDP Expedition 364 to the Chicxulub Impact Crater

8 a.m.—noon, WSCC, Ballroom 6A Cosponsors: GSA Planetary Geology Division; GSA Geophysics Division; International Continental Scientific Drilling Program (ICDP); European Consortium for Ocean Research Drilling (IODP-ECORD); Lunar and Planetary Institute (LPI)

P4. Speed Dating!: Advice on Sampling and Applications through the Lens of the Geochronologist (Posters)

8 a.m.—6:30 p.m., WSCC, Halls 4EF (No CART transcription) Cosponsors: GSA Quaternary Geology and Geomorphology Division; GSA Archaeological Geology Division; GSA Karst Division; GSA Limnogeology Division; GSA Mineralogy, Geochemistry, Petrology, and Volcanology Division; GSA Sedimentary Geology Division; GSA Structural Geology and Tectonics Division

P5. Origin, Accretion, and Translation of Mesozoic-Cenozoic Terranes along the Pacific Margin of North America

1:30-5:30 p.m., WSCC, Ballroom 6A

Cosponsor: GSA Structural Geology and Tectonics Division

WEDNESDAY

P6. Earth Anatomy Revealed: Geologic Mapping for Our Future

8 a.m.-noon, WSCC, Ballroom 6A

Cosponsors: GSA Geology and Society Division; GSA Geology and Public Policy Committee; GSA Geoinformatics Division; Association of American State Geologists; American Geosciences Institute; American Institute of Professional Geologists; American Geophysical Union; U.S. Geological Survey



Local Tours

The following local tours are open to all registered GSA Annual Meeting attendees and guests. For short visits and historical tours, it is valuable to have an experienced and knowledgeable tour guide to assist you as you tour the city. Our tour groups are small and provide guests with an opportunity to ask questions and get off the beaten path.

If you did not pre-register for one of these tours, please check at the registration desk for ticket availability as far in advance as possible. For tickets the day of the event, please check with the hostess in the Penrose Guest Hospitality Suite (Washington State Convention Center, Room 400).

SUNDAY

101. Emerald City Highlights Tour

▶ 9 a.m.–2 p.m. US\$90; min. 15 participants.

Known as a world-class city, Seattle is the best of both worlds: offering the best of urban lifestyle while embracing the rugged outdoors. A local expert will take you through the city's must-see attractions, famous landmarks, and beautiful sights. You will learn about Seattle's history and culture, and get insider tips on special shopping and sightseeing areas. This tour includes Historic Pioneer Square and Seattle Waterfront, Hiram Locks, Bihuly Garden & Glass, and Pike Place Market.

MONDAY

102. Walking Tour & Tasting Tour of Pike Place Market

▶ 10 a.m.—noon. US\$80; min. 10 participants.

Join us for Seattle's original food and cultural tour of Pike Place Market. Become a market insider on this behind-the-scenes adventure to experience the sights, sounds, and flavors of this historic 100+-year-old landmark. This is a special "Behind the Scenes" tour where you will learn the history of the Pike Place Market, meet the purveyors and food producers as well as the Market's lively characters and hear their memorable stories. See fish fly, cheese being made, and the original Starbucks store. Our tour guides are past and present members of the Pike Place Market community.

TUESDAY

103. Boeing Everett Plant Tour/Aviation Tour

Noon-4 p.m. US\$78; min. 15 participants.

William Edward Boeing founded one of the greatest dynasties in commercial aviation. The Boeing Company has transformed the Pacific Northwest into a major aeronautical hub. This fascinating tour offers an in-depth view into the many facets of the airplane industry. You will actually get to view airplanes being assembled right before your eyes, including the new 777 and 787 Dreamliner. The Boeing Factory Tour also begins here, which offers the *only* publicly available opportunity to tour a commercial jet assembly plant in North America.

104. Washington Wine Tasting Tour

► 12:30-4:30 p.m. US\$105; min. 15 participants.

Washington State is the nation's second largest wine producer and is ranked among the world's top wine regions. Nestled in the Sammamish River Valley, Woodinville is a small community that has become a haven for fine winemakers. With the perfect climate for wine, ideal growing conditions, quality wines, business innovation, and social responsibility, Washington State is a premium wine producing region. Located just 30 minutes from Seattle, Chateau Ste. Michelle, Columbia Winery and Novelty Hill/Januik are two of the area's top attractions. Both vineyards run grape-producing areas throughout Washington State and bring the fruits of the labors to Woodinville for the creation of excellent wines under the guidance of expert winemakers. Guests will enjoy private tours and tastings at these amazing locations. Locations include Chateau Ste. Michelle and Novelty Hill/Januik.

WEDNESDAY

105. Waterfalls, Chocolate, and Wine Tour

Noon-5 p.m. US\$88; min. 15 participants.

This Pacific Northwest outing takes you to scenic waterfalls, a quaint Swiss chocolate factory, and wine tasting at Chateau Ste. Michelle Winery. The day begins with a visit to one of Washington's most popular scenic attractions, Snoqualmie Falls. Here, the Snoqualmie River cascades 270 feet through a spectacular rock gorge into a 65-foot-deep pool. The tour will continue to Boehm's Candy Kitchen, known throughout the Northwest for their fabulous Swiss chocolates. The guided tour of Boehm's will take you through the candy factory, where you will receive samples of their amazing confections and see how their candies are made. The tour will continue to nearby Chateau Ste. Michelle Winery. Located on 87 acres of arboretum-like grounds, Chateau Ste. Michelle is Washington's oldest winery, taking its place among the classic wineries of the world. Enjoy a tour that allows a romantic yet technologically accurate view of the art and science of wine-making.



The grounds of Chateau Ste. Michelle in Woodinville wine country. Photo by Ron Zimmerman.

Guest Program

Welcome to Seattle and the GSA Guest Program! We welcome all registered Guests and Penrose Circle Invitees to stop by the Hospitality Suite, room 400 of the Washington State Convention Center (WSCC), for rest and relaxation while technical sessions are going on. The Suite will offer complimentary refreshments, educational seminars, and local experts ready to answer your questions about Seattle. Local tours will also be offered for an additional fee. We hope you take advantage of the tours and learn about the area from our knowledgeable tour guides!

The guest or spouse registration fee of US\$99 per person is for a non-geologist accompanying professional or student meeting registrants. This fee does not include access to technical sessions. Any guest wishing to see a specific presentation should go to the On-Site Registration desk at the WSCC, Level 4, to request a special badge for access to the presentation. Badges: Be sure to wear your meeting badge for access to the WSCC, the Penrose Guest Hospitality Suite, and the Exhibit Hall.

Penrose Guest Hospitality Suite

► Hours: Sun.–Wed., 22–25 Oct., 8 a.m.–5:30 p.m.

SEMINARS

Join us for the following seminars, provided free of charge for registered guests and Penrose Circle Invitees only. All seminars take place in the Penrose Guest Hospitality Suite, WSCC, and start at 10 a.m.

SUNDAY

Understanding Social Media

Learn the Ins and Outs of Social Media from Facebook, Twitter, and Instagram to hashtags. Guests will gain an understanding of what these sites are about and how to best utilize them.

For parents this seminar is will provide insight to the connected world of kids and teens, which can be challenging for parents as adults don't communicate online in the same way and are not necessarily using the same social media. The goal is to help parents better understand how their kids are using social networking and to provide them with tips and tools they can use to help them minimize negative experiences and maximize the positive opportunities that social media has to offer.

MONDAY

Washington's Wine Industry

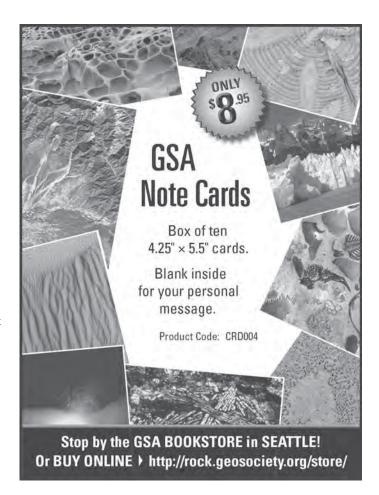
Washington State is the nation's second largest wine producer and is ranked among the world's top wine regions. Nestled in the Sammamish River Valley, Woodinville is a small community that has become a haven for fine winemakers. With the perfect climate for wine, ideal growing conditions, quality wines. In recent years, Washington's wine industry has become the fastest-growing agricultural sector in the state. The number of Washington wineries has increased 400% in the last decade, attracting millions of visitors to Washington wine country every year and creating a multi-million dollar wine-tourism industry. We predict that it will again double in size in the next eight years. In the meantime, California is pulling out vineyards. A decade from now, there could be an interesting shift in West Coast wine

powers. Currently, one out of every four bottles of wine sold in Washington is made in Washington. The other three come from California, Europe and the Southern Hemisphere. Will Washington become the next Napa Valley?

TUESDAY

Seattle Glass Blowing

Seattle is known as the epicenter of American glass art. The first thing most Seattleites think about upon hearing the phrase "glass art" is Dale Chihuly. And with good reason; the history of Northwest glass has Chihuly's name woven throughout, from its earliest beginnings. Glassblowing is built on mentorship, teamwork and a wildly experimental spirit. Students come from around the world to train here and have a life-changing experience, so they stick around. As a result, it has built an incredible community. Studios and artist have flourished. By the early 1990s, the Northwest had become so well known as a glass haven, that talk of a glass museum began. In 2002, the Tacoma Museum of Glass opened its doors and in 2012 The Chihuly Garden and Glass museum opened. This one-of-a-kind space houses the most comprehensive presentation of Dale Chihuly's artwork on public view. Learn about the history of Glassblowing in Seattle, this amazing community.



Student Information & Activities

Please be sure to check out the Students Information page at **community.geosociety.org/gsa2017/students.**It has the most up-to-date information on events scheduled for students.



Best Student Geologic Map Competition

Please join us for in the Best Student Geologic Map Competition. This poster session provides a venue for students to present their geologic maps that have a significant field component. The outcome will be awards for the top three geologic maps on display.



Meet and Greet

An Informal Reception for Students (Graduate and Undergraduate) & Early Career Professionals

Sun., 7-10:30 p.m., Tap House Grill, 1506 6th Ave.

Meet and network with other young professionals while enjoying light refreshments. You may come and go as you wish; no preregistration is required. Cash bar.



Meetings can be great catalysts for generating scientific discussions and field study ideas. The next step: Follow up with a Penrose Conferences or Thompson Field Forums.

Penrose Conferences have a long history of bringing together multidisciplinary groups of geoscientists to facilitate open and frank discussions of ideas in an informal atmosphere and to inspire collaborative research.





Thompson Field Forums are designed to capture the essence of exciting discoveries and/or controversial topics via forays into the field. On-the-spot discussions of a particular geologic feature or area bring together experts on the topic at hand to exchange current knowledge, ideas, and theories.

Learn more at: www.geosociety.org or contact Becky Sundeen at bsundeen@geosociety.org.





Public Policy Events

Rocks and Hops Soiree

Sun., 7-9 p.m.

The Pike Brewing Company, 1415 1st Ave., Seattle

The members of the Geology and Society Division and Geology and Public Policy Committee encourage you to drop by, have some food and drink at this hosted event, and engage in discussions of geology, philosophy, and policy. The event features representatives and information on GeoCorps, National Park Service Geoscientists-in-the-Parks, the GSA-USGS Congressional Science Fellowship, and GSA Science Policy Fellowship. Come learn more about these opportunities and meet others interested in policy at this informal reception.

Geology and Society Distinguished Lecture

Grea Estes

Darwin in Galapagos

Tues., noon-1 p.m., WSCC, Room 602/603

Charles Darwin spent a few weeks in 1835 exploring the Galapagos Islands as part of the HMS Beagle voyage. During that time, he focused on geology as much as biology. Only in retrospect

did Darwin fully appreciate the biological diversity between islands, which greatly influenced his ideas on evolution. Darwin's *On the Origin of Species* radically changed how we understand the world and our place in it. Estes has been in the Galapagos for the past 35 years working with scientists, dignitaries, filmmakers, and travelers to expand our understanding of the islands. The islands host an exceptional biodiversity, one that is vulnerable to a changing climate and growing tourism pressures.

Geology and Public Policy Committee (GPPC) Meeting

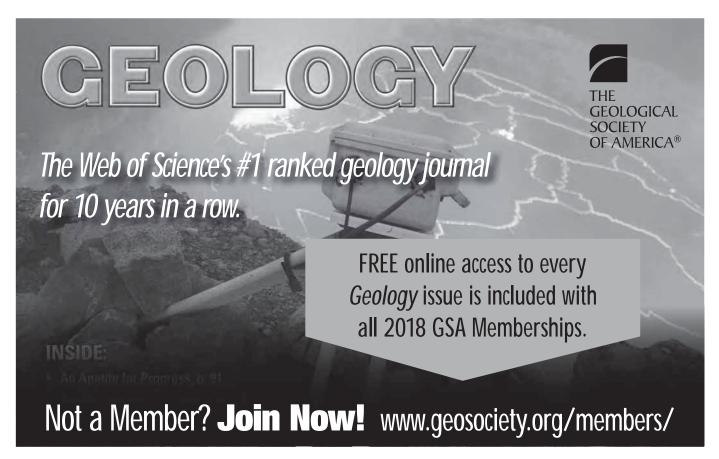
Sat., noon–4 p.m., Sheraton Seattle Hotel, Leschi Room Sun., 8 a.m.–noon, Sheraton Seattle Hotel, Leschi Room Interested GSA members are invited to observe these committee meetings.

Geology & Society Division

Annual Meeting of the Membership and Board

Sun., 2:30-5 p.m., Sheraton, Ravenna A-B

All GSA members are invited to join members of G&S Division for a business meeting.



GSA 2018 Indianapolis Meeting



4-7 November

Indianapolis, Indiana, USA

Thank you to all the 2017 GSA Seattle Annual Meeting attendees. We hope you enjoyed the geology, networking, and libations. It's time to plan for our 2018 Annual Meeting in Indianapolis, Indiana, USA. Help ensure that your area of research and expertise is represented at next year's annual meeting. Any individual or geosciences organization is welcome to submit proposals.

Show the geology by leading a field trip.

Field Trip proposal deadline: 1 Dec. 2017

Trips can be anywhere from half a day to five days long. Field trip proposals may be submitted by any member of GSA, its affiliated societies, or other people interested in field geoscience. The proposal form is online at https://gsa.confex.com/gsa/2018AM/fieldtrip/cfs.cgi.

Exchange the geology by organizing and chairing a technical session.

Technical Session deadline: 1 Feb. 2018

Proposals are being taken for both Pardee Keynote and Topical Sessions. The proposal form is online at https://gsa.confex.com/gsa/2018AM/cfs.cgi.

Share the geology as an instructor through a Short Course.

Short Course proposal deadline: 1 Feb. 2018

Courses run the Friday and Saturday before the Annual

Meeting and are typically half a day to two full days. The proposal form is online at https://gsa.confex.com/gsa/2018AM/shortcourse/cfs.cgi.





Photo courtesy of VisitIndy.com

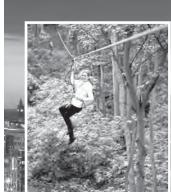




Photo courtesy of Go Ape.

Photo courtesy of Jaosn Lavengood, VisitIndy.com

42



CSA's journals Geosphere and Lithosphere will be OPEN ACCESS starting January 2018

Geosphere—Encouraging innovation in all geoscience fields.

Lithosphere—The voice for integrated and interdisciplinary tectonics.

Also open access at http:// www.geosociety.org /gsatoday/ is **GSA Today** your connection to GSA news and information.

Plus: Geology—#1 in the geology category of the Web of Science 11 years in a row and free online to GSA members.

GSA Bulletin-

The definitive geoscience journal since 1890.

- ▶ Go to www.gsapubs.org.
- Click on the GSA Member login link either in the blue bar or at the bottom of the sign-in box.
- Use your GSA username and password to access papers.

www.gsapubs.org

Alumni Receptions

Private Receptions

These individual receptions (as received before the program print deadline; check the mobile app or onsite alumni flyer for a final listing) will take place at the locations listed below.

EVENT	TIME	LOCATION
Monday		
Albion College–Eastern Michigan University–Western Michigan University–Grand Valley State University Joint Alumni Reception	6–8 p.m.	Westin Seattle Hotel, Adams
Amherst College Geology Alumni Reception	5–7 p.m.	Sheraton Seattle Hotel, Columbia
Carleton College Alumni Reception	6:30–8:30 p.m.	Sheraton Seattle Hotel, Willow B
College of William and Mary–Virginia Tech–James Madison University–University of Virginia–Ireland Field Course Joint Alumni Reception	7–9 p.m.	Sheraton Seattle Hotel, Willow A
Eastern Michigan University-Western Michigan University- Albion College-Grand Valley State University Joint Alumni Reception	6–8 p.m.	Westin Seattle Hotel, Adams
Grand Valley State University–Eastern Michigan University–Western Michigan University–Albion College Joint Alumni Reception	6–8 p.m.	Westin Seattle Hotel, Adams
Harvard-Yale Alumni Reception	7–9:30 p.m.	Westin Seattle Hotel, Puget Sound
Indiana University Department of Earth and Atmospheric Sciences Alumni Reception	7–9 p.m.	Sheraton Seattle Hotel, Ballard Room
Ireland Field Course—College of William and Mary–Virginia Tech–James Madison University–University of Virginia Joint Alumni Reception	7–9 p.m.	Sheraton Seattle Hotel, Willow A
James Madison University–College of William and Mary– Virginia Tech–University of Virginia–Ireland Field Course Joint Alumni Reception	7–9 p.m.	Sheraton Seattle Hotel, Willow A
Michigan State University–University of Illinois at Urbana- Champaign Joint Reception	5:30–7:30 p.m.	Capitol Grille
Montana State University	5:30–7:30 p.m.	Sheraton Seattle Hotel, Cedar A
Northern Arizona University Alumni Reception	7–9 p.m.	Sheraton Seattle Hotel, Capitol Hill
Ohio State University	8–10 p.m.	Westin Seattle Hotel, Olympic
Oregon State University-CEOAS Friends of the Beaver Event	5:30–7:30 p.m.	Elephant & Castle Pub
Pennsylvania State University (PSU) Alumni Reception	5:30–8:30 p.m.	Tap House Grill
Purdue EAPS Alumni & Friends Reception	7–9 p.m.	Sheraton Seattle Hotel, Seneca
Rio Grande Universities Alumni Reception (Cosponsored by New Mexico State University; New Mexico Tech University; University of New Mexico; University of Texas at El Paso)	7–10 p.m.	Sheraton Seattle Hotel, Metropolitan Ballroom B
Stanford University Alumni Event	5:30–7:30 p.m.	Westin Seattle Hotel, The Loft
Syracuse University Alumni Reception	7–10 p.m.	Cutters Crabhouse
University of Arizona Geosciences Alumni and Friends Reception	6–8 p.m.	Sheraton Seattle Hotel, Madrona
University of Cincinnati Alumni Reception	6:30–9 p.m.	Sheraton Seattle Hotel, Juniper
University of Illinois at Urbana-Champaign—Michigan State University Joint Reception	5:30–7:30 p.m.	Capitol Grille
University of Iowa	5:30–7 p.m.	Westin Seattle Hotel, Baker

EVENT	TIME	LOCATION
University of Kansas	7–10 p.m.	Sheraton Seattle Hotel, Redwood
University of Michigan Alumni Reception	6–8 p.m.	Sheraton Seattle Hotel, Aspen
University of Minnesota Alumni Reception	7–10 p.m.	Sheraton Seattle Hotel, Boren
University of North Carolina-Chapel Hill Alumni Reception	6–8 p.m.	Sheraton Seattle Hotel, University
University of Puget Sound and Pacific Lutheran University Geology Gathering	7–9 p.m.	Sheraton Seattle Hotel, Greenwood
University of Texas–Austin Jackson School of Geosciences Alumni and Friends Reception	6–8 p.m.	Sheraton Seattle Hotel, Daily Grill Restaurant
University of Virginia—College of William and Mary–Virginia Tech–James Madison University–Ireland Field Course Joint Alumni Reception	7–9 p.m.	Sheraton Seattle Hotel, Willow A
University of Washington Alumni Reception (Cosponsored by Quaternary Research Center; College of the Environment)	6–8:30 p.m.	University of Washington, Touchdown Terrace, Husky Stadium
Virginia Tech-College of William and Mary-James Madison University-University of Virginia-Ireland Field Course Joint Alumni Reception	7–9 p.m.	Sheraton Seattle Hotel, Willow A
Western Michigan University–Eastern Michigan University–Albion College–Grand Valley State University Joint Alumni Reception	6–8 p.m.	Westin Seattle Hotel, Adams
Western Washington University Geology Alumni	6:30–8 p.m.	Sheraton Seattle Hotel, Virginia
Williams College Alumni Reunion	5:30–7:30 p.m.	Six Arms Tavern
Yale-Harvard Alumni Reception	7–9:30 p.m.	Westin Seattle Hotel, Puget Sound
Tuesday		
Caltech/MIT Joint Alumni Reception	9 p.m.–1 a.m.	Sheraton Seattle Hotel, Jefferson

Alumni Receptions

Group Reception

Monday, 7–9:30 p.m., Sheraton Seattle Hotel, Metropolitan Ballroom A

The alumni of the following schools (as of the program print deadline; please check the mobile app or the onsite alumni flyer for a final listing) will gather by their respective signs on Monday night for the lively group reception.



Bucknell University

Middlebury College

Central Michigan University

Oberlin College

Colby College

Smith College

College of Wooster

Trinity University

Dickinson College

University of Nebraska-

Franklin & Marshall College

Lincoln (UNL)

Hamilton College

University of Rhode Island Graduate School of Oceanography



Did you know...

- Step outside of the convention center "loupe" and head to the craft-brewery hubs of Ballard and Fremont. Who wouldn't enjoy 10 breweries within walking distance of each other!
- Have you seen the elusive Fraggle Rock? If not, check out the Museum of Pop Culture (MoPOP) and see The Jim Henson Exhibition: Imagination Unlimited!
- The worldwide headquarters for Groundspeak, Inc., the makers of the global game of geocaching, is located in Seattle. The Seattle area is a hotbed of all sorts of geocaches, including EarthCaches, so the Annual Meeting will be a great time to get out and cache!

Now you are in the loupe!