

INVITATION TO ATTEND



Dear Friends,

Join colleagues this year in Keystone, Colorado, on April 11 to 15, for the 23rd Annual Symposium on the Application of Geophysics to Engineering and Environmental Problems (SAGEEP). The conference serves as the annual meeting of the Environmental and Engineering Geophysical Society (EEGS), and will take place at the Keystone Resort & Conference Center in Summit County, a hub of mountain recreation activities. This year's theme is "Building New Markets for Geophysics".

Keystone ski area's scheduled close date is April 11, the opening day of our conference, but the best April skiing in the USA is at Arapahoe Basin ski area, a thousand feet above and a 20-minute drive from Keystone. Conference housing options include Keystone Lodge rooms or nearby Keystone condominium units within walking distance of the conference center and local shops and restaurants. Keystone operates a local shuttle free for guests. Summit County operates a free bus service from Keystone to Arapahoe Basin ski area and other nearby communities including Frisco, Silverthorne, Breckenridge and Copper Mountain. April weather can be cool, and walking can be sloppy, so watch for conditions and plan accordingly.

Jim LoCoco, Technical Program Chair, has worked hard to build a program of interesting sessions on timely issues. In addition to traditional topics, some non-traditional sessions are being assembled such as Near Surface Geophysics/Government Stimulus, Military Uses in Near Surface Geophysics, and Geophysics in Intelligent Geoconstruction. As always, technical presentations will provide the year's best look at the work going on today in our field. Be sure to look over the list of planned topics.

The Monday morning Keynote Speaker will be Bob Grimm of the Southwest Research Institute in Boulder, Colorado, planning to speak on the use of electromagnetic geophysics in the search for groundwater on Mars. With Bob's background of extraterrestrial exploration and his geoscientific perspective and humor, this presentation is sure to be memorable. This year's EEGS / Geonics Early Career Award winner will speak at the Tuesday EEGS Luncheon after a short awards ceremony.

Four short courses will be offered including 1) a return of the popular course on Active and Passive Multichannel Analysis of Surface Waves, 2) a revised and expanded version of last year's popular course on Seismic Refraction Tomography now offered in two parts, 3) a course on the Implementation and Interpretation of Time-domain Electromagnetic Data presented by David Fitterman, and 4) a course on the Geophysical Investigations of Dams and Levees. Additionally, a Workshop will be offered on Environmental Applications for Time-domain Airborne Electromagnetic Systems. Geophysical experts, novices, and interested professionals in other fields can all benefit from the opportunities to learn more at Keystone this year.

SAGEEP at Keystone will once again be your best bet for one-stop shopping for all of your equipment, software, or contractor needs, as the Exhibit Hall will be filled with representatives ready to be of service. The exhibitors this year have agreed to sponsor happy hours on Monday and Wednesday after the technical talks. Tuesday evening you will want to enjoy a comfortable social time of cocktails and a fine dinner with wine at Keystone Ranch, highly regarded for its excellent cuisine and warm, mountain resort ambiance. On Thursday, a field trip to the historic resort town of Glenwood Springs is offered with travel through scenic Glenwood Canyon. The trip includes a stop at the Shoshone Hydroelectric Plant on the Colorado River, a tram ride to a cavern tour and lunch in the mountains above the town.

The conference opens with the Ice Breaker Sunday evening, but you may want to consider arriving a day early and/or staying a day late to enjoy the many activities available in Summit County, Colorado. Mark your calendars and plan thoughtfully to be part of this year's SAGEEP at Keystone, Colorado.

See you there,
Vic Labson
SAGEEP 2010 General Chair

INVITATION

SAGEEP 2010 PRELIMINARY PROGRAM

Saturday April 10, 2010			
All Day	SC-1: Surface Waves are for Everyone (Active and Passive MASW) Instructors: Julian Ivanov, Kansas Geological Survey and Geometrics, Inc.		
	Half-Day	SC-2A: Processing of Seismic Refraction Tomography Data Instructors: Siegfried Rohdewald, Intelligent Resources Inc.; Bethany Burton, USGS; Jacob Sheehan, Battelle	
Sunday April 11, 2010			
All Day	SC-2B: Principles and Applications of Seismic Refraction Tomography Instructors: William Doll, Battelle (Coordinator); Colin Zelt, Rice University; Julian Ivanov, Kansas Geological Survey; Mike Powers and Seth Haines, USGS; Jacob Sheehan, Battelle		
Evening	SC-3: Application of Time-Domain Electromagnetics to Ground-Water Studies Instructor: David Fitterman, USGS Emeritus		
Ice Breaker			
Monday April 12, 2010			
Morning	<i>Awards and Keynote Session: Robert Grimm, PhD</i> <i>Director of the Department of Space Studies at the Southwest Research Institute</i>		
	Coffee in Exhibit Hall		
	Session Room 1	Session Room 2	Session Room 3
	Special Session: Geophysics in Intelligent Geoconstruction	Special Student Poster Session Overviews	Dam, Levee & Reservoir
Lunch	SAGEEP Café or Lunch On Own		
Afternoon	Geotechnical Engineering	Best of 2009 EAGE/NSGD	Dam, Levee & Reservoir
	Geotechnical Engineering - Cavities & Tunnels	EM Induction	Borehole Geophysics
Late Afternoon	Hospitality/Beer Bash in Exhibit Hall		
Tuesday April 13, 2010			
Morning	Near-Surface Seismic Methods	Geophysics in Hydrogeology	Resistivity & IP Imaging
	Coffee and Poster Viewing in Exhibit Hall		
	Near-Surface Seismic Methods	Geophysics in Hydrogeology	Resistivity & IP Imaging
Lunch	EEGS Luncheon - Speaker: EEGS / Geonics Early Career Award Winner		
Afternoon	Near-Surface Seismic Methods	Geophysics in Hydrogeology	Resistivity & IP Imaging
	Coffee and Poster Viewing in Exhibit Hall		
	Geotechnical, Geological Mapping	Geophysics in Hydrogeology	Resistivity & IP Imaging
Evening	SAGEEP Conference Evening Event at Keystone Ranch		
Wednesday April 14, 2010			
Morning	UXO/MEC	Urban & Archaeological Geophysics	Non-Destructive Evaluation of Infrastructure
	Coffee and Poster Viewing in Exhibit Hall		
	UXO/MEC	Urban & Archaeological Geophysics	Geophysics in Agriculture & Geochemistry
Lunch	SAGEEP Café or Lunch on Own		
Afternoon	Uncertainty in Geophysical Inverse Problems	Karst Geophysics	High-Resolution Potential Field Methods
Late Afternoon	Hospitality/Beer Bash in Exhibit Hall		
Thursday April 15, 2010			
All Day	SC-4: Geophysical Investigations of Dams and Levees Instructors: Phil Sirls, Zonge (Coordinator); Lewis Hunter, U.S. Army Corps of Engineers; Richard Markiewicz, Bureau of Reclamation; Michael Powers and Burke Minsley, USGS		
All Day	W-1: Airborne EM for Environmental and Engineering Applications Coordinators: Jeffrey G. Paine, Univ. Texas, and Paul Bedrosian, USGS		
	Field Trip to Glenwood Springs with Lunch and Shoshone Hydroelectric Plant Tour		

Note: This is a Preliminary Program and subject to change. Please do not make travel arrangements based on this schedule.

INVITED SPEAKERS

SAGEEP 2010 KEYNOTE SPEAKER

Monday, April 12, 2010

Robert E. Grimm, PhD

Robert E. Grimm, PhD, director of the Department of Space Studies at the Southwest Research Institute. His talk is titled "Extraterrestrial Near-Surface Geophysics". As a geophysicist with interests in both planetary and terrestrial exploration, much of his work through the mid-90s was on the geodynamics of Venus, but has also investigated the thermal, collisional, and hydrogeological histories of meteorite parent bodies.

Dr. Grimm has specialized in seismic exploration (particularly for detection of gas in naturally fractured reservoirs), electromagnetic discrimination of unexploded ordnance (UXO), and electrical detection of soil contaminants during his years in the industry.

He discovered that electromagnetic methods in particular are ripe for application in the search for groundwater on Mars and his current research focuses on the geophysics and hydrogeology of Mars and asteroids, and electromagnetic sounding of planetary interiors. Dr. Grimm is also interested in developing new instruments and missions, particularly for Mars exploration. He also works on aspects of the role of groundwater in geological processes on Mars.

Be assured that Dr. Grimm will inform, entertain, and maybe even inspire!

EEGS LUNCHEON

Tuesday, April 13, 2010

EEGS / Geonics Early Career Award Recipient

The 2010 recipient of the EEGS / Geonics annual Early Career Award (ECA) will deliver the EEGS Luncheon talk. Adding to the level of excitement at this year's luncheon is the fact that the award recipient has not yet been announced – please join fellow SAGEEP attendees to listen to the presentation and learn who has been awarded the prestigious ECA for academic excellence that also encourages research in near-surface geophysics. Register early, limited space available.

New This Year!

SAGEEP Café

Pre-order lunch on Monday and Wednesday and join fellow SAGEEP attendees in the SAGEEP Café - or grab your lunch and head outside with colleagues. For your convenience, boxed lunches and iced tea will be available in the Conference Center. Or, if you're in the mood for a latte, visit the Coffee Cart and purchase coffee beverages, soft drinks or bottled water. Place your lunch order on the pre-registration form based on the sandwich types offered - Turkey with Swiss on a croissant, Ham with Swiss on whole wheat sub or Grilled Vegetable sandwich with red pepper hummus.

EARLY-BIRD CONFERENCE REGISTRATION DEADLINE MARCH 12, 2010

Register Online at www.eegs.org and Click SAGEEP 2010

ACCOMMODATIONS RESERVATIONS DEADLINE MARCH 12, 2010

Register by e-mail (Keystonegroupres@vailresorts.com)

or by telephone 1-800-258-0437

2010 SHORT COURSE SUMMARY

The following short courses include full course notes, continental breakfast, and morning and afternoon refreshments.

SC-1: Surface Waves Are for Everyone (Active and Passive MASW)

Date: Saturday, April 10, 2010 **Time:** 8am-5pm
Instructors: Julian Ivanov, Kansas Geological Survey and Geometrics, Inc.

This short course focuses on the practical applications of the multichannel analysis of surface waves (MASW) method, presenting the most current approaches to both active and passive estimations of 1-D and 2-D shear-wave velocity (V_s) profiles to depths of a few tens of meters using surface waves. Includes: a brief theoretical overview and field procedures, software practice using a sample data set, a brief field work session using the Geometrics Geode seismograph to demonstrate field procedures and acquire actual field data, and processing of the field data. Participants will be introduced to some of the latest developments in MASW analysis, including practical field-parameter estimations, multi-mode inversion and sensitivity analysis. Also, discussions about future developments, such as 2-D inversion, modeling, and optimized wavelet transform will provide significant food for thought. Course Goal: build a sufficient understanding enabling participants to apply the MASW method in their work. Please bring a Windows 2K/XP notebook/laptop computer - screen resolution set to 1024 x 768 or better. Participants will be provided a 14-day license of SurfSeis 2.05 software. Please be prepared to disable active virus protection software during installation.

Seismic Refraction Tomography Short Course - Back by Popular Acclaim! The 2009 Seismic course has been revised and expanded with separate Principles/Applications and Software components. Participants may register for either course or register for both at a discount.

SC-2A: Processing of Seismic Refraction Tomography Data

Date: Saturday, April 10, 2010 **Time:** 1-5pm
Instructors: Siegfried Rohdewald, Intelligent Resources, Inc.; Bethany Burton, USGS; Jacob Sheehan, Battelle

This module provides hands-on training with the Rayfract Seismic Refraction Tomography software package. This course is **limited to 25 participants** due to the interactive nature of software training. Please bring a laptop computer running Windows XP, Vista, or 2000, and plan to install the Rayfract software (available at the registration desk) in advance of the course. Includes a one-month software license on CD-R with a USB dongle.

SC-2B: Principles and Applications of Seismic Refraction Tomography

Date: Sunday, April 11, 2010 **Time:** 8am-5pm
Instructors: William Doll, (Coordinator), Jacob Sheehan, Battelle; Colin Zelt, Rice University; Julian Ivanov, Kansas Geological Survey; Mike Powers and Seth Haines, USGS

Tomographic analysis of seismic refraction data has evolved over the past ten years from an academic pursuit to routine field application. Studies have demonstrated vulnerabilities of this technique due to non-uniqueness, ray coverage constraints, and initial model selection. Course presentations range from very practical and applied guidelines and applications to current research topics. Underlying conceptual and theoretical concepts will be addressed to provide a core understanding essential for proper application. Modules include: Modeling approaches and assessment strategies; Pitfalls; Software Comparison; Engineering and other Applications; Shear Wave Refraction Tomography; Frequency-Dependent Traveltime Analysis; Full Waveform Inversion; and 3D Analysis.

SC-3: Application of Time-Domain Electromagnetics to Ground-Water Studies

Date: Sunday, April 11, 2010 **Time:** 8am-5pm
Instructor: David Fitterman, USGS Emeritus

Time-domain electromagnetic (TEM) sounding is well suited to many ground-water investigations ranging from mapping of saltwater intrusion, estimation of water quality, delineation of clay zones, to determination of aquifer geometry. Data can be acquired rapidly with minimal field-crew size compared to DC resistivity or seismic methods. The resolution of conductive targets is better than almost all electrical and electromagnetic methods. These attributes make it an ideal candidate for small- to regional-scale ground-water studies. This course is aimed at geophysicists, hydrologists, and geologists who want to learn more about the potential and limitations of the method and will begin with theoretical and model studies to understand capabilities and limitations, and follow with real-world field examples to illustrate what can happen in practice and how to deal with these situations. Topics covered include basic principles of TEM, calculation of TEM model response, depth of exploration, effect of noise, data collection and processing, data interpretation, survey design, and suggestions about field work.

SC-4: Geophysical Investigations of Dams and Levees

Date: Thursday, April 15, 2010 **Time:** 8am-5pm
Instructors: Phil Sirls, Zonge (Coordinator); Lewis Hunter U.S. Army Corps of Engineers; Richard Markiewicz, Bureau of Reclamation; Michael Powers and Burke Minsley, USGS

This course focuses on applications of a variety of geophysical methods used to investigate the internal features of embankment dams and levees. Applications will range from evaluation of seepage-related issues to assessment of the structural integrity of dam & levees or their foundation geology, as well as the evaluation of specific appurtenant structures. Geophysical field methods presented will include: electrical resistivity, self-potential, seismic (P- and S-waves), GPR, and LiDAR. Also, the value of borehole geophysics will be addressed. The course will focus on how geophysical data can be acquired and presented in a manner that enhances the engineering evaluation, design, and remediation needs. Survey approaches will be shown from 1D, 2D, 3D and 4D geophysical techniques. The goal of the short course will be to create a better understanding of dams and levees, and how best to utilize geophysical imaging techniques to characterize the structures or foundations. Since geophysical data ultimately get used in the safety analysis, the engineering design, and/or the remediation of public and privately owned high-risk structures, this short course is valuable for anyone working on dams and levees who does not yet understand the value and benefit of the surveys. Participants will be shown case histories from large and small structures.

W-1: Airborne EM for Environmental and Engineering Applications

Date: Thursday, April 15, 2010 **Time:** 8am-5pm
Coordinators: Jeffrey G. Paine, Univ. Texas and Paul Bedrosian, USGS

The use of airborne electromagnetic (AEM) methods for environmental, hydrogeological and engineering purposes continues to expand as more organizations recognize the benefits of rapid and extensive coverage offered by airborne instruments. This expansion has been augmented by advances in instrumentation, data acquisition and processing, and inversion. This technical, interactive workshop will highlight the capabilities of modern helicopter-borne and fixed-wing AEM systems (especially the newer time-domain systems) together with case studies on the use of AEM data for environmental, engineering, and hydrogeological investigations. Representatives from several AEM companies will be speaking as well as leaders in the field of AEM data processing and application.

2010 CONFERENCE & EVENT INFORMATION

Help EEGS Control SAGEEP Costs!

Make reservations of your choice at Keystone accommodations.

Reserve your accommodations at the conference lodging choices before March 12, 2010 and you help keep the registration fees low. EEGS is not charged for conference facilities when we commit to a minimum number of room nights, so please take advantage of the negotiated rates **by March 12, 2010** and help keep SAGEEP affordable. Limited government rates available.

TAKE ADVANTAGE OF THESE GREAT RATES!

Single/Double Rate (Triple and Quad rates also available)

Keystone Lodge & Spa*	\$149/\$149 (use Group Code CK2EEG)
Keystone Lodge Lofts	\$199/\$199 (use Group Code CK2EEG)
Inn at Keystone**	\$109/\$109 (use Group Code CK2EEG)
Government Rate Inn at Keystone**	\$100/\$125 (use Government Code CK2EE2)
Conference Village (1 Bdrm)	\$149/\$149 (use Group Code CK2EEG)
Conference Village (2 Bdrm)	\$199/\$199 (use Group Code CK2EEG)

*For accommodations at Keystone Lodge & Spa, there is a resort management fee of \$15.00 per room, per night.

** For accommodations at The Inn at Keystone, there is a resort management fee of \$7.00 per room, per night.

Room rates do not include a taxable surcharge of 5.9% per room, per night, or applicable state and local taxes, currently 5.78%. Each registrant receives a complimentary Adventure Passport, a recreational pass offering free and discounted activities. A bus pass for The Ride, Keystone's transportation system, is issued upon lodging check-in. The Keystone Ride picks up and drops off almost anywhere in the Keystone Resort. Shuttles pick up approximately every half hour, and ride times average about 10 to 15 minutes.

RESERVE YOUR ACCOMMODATIONS by e-mail or telephone. E-mail Keystonegroupres@vailresorts.com and use the conference code CK2EEG (or, to secure a government rate, use CK2EE2). Or, call 1-800-258-0437, identify yourself as a SAGEEP attendee and provide the SAGEEP conference code CK2EEG or, for a government rate, use CK2EE2.

Reservations must be made by March 12, 2010 to qualify for the special rates.

CONFERENCE HOTEL INFORMATION

Keystone Resort & Conference Center

PO Box 38/Keystone, CO 80435 USA

www.keystonereresort.com

DRIVING DIRECTIONS (from Denver, Colorado)

Take I-70 west for approximately 80 miles. After leaving the Eisenhower tunnel, continue approximately 6 miles to exit 205 (Silverthorne-Dillon). Turn left, going under I-70 overpass, onto Highway 6. Go approximately 7 miles until you reach Keystone. In addition to receiving parking instructions at check-in, you can also access the SAGEEP web site (www.eegs.org and click SAGEEP 2010) for directions to each lodging choice.

TRANSPORTATION

Shuttle Service Preferred Provider: Colorado Mountain Express (CME). Book a round trip rate from DIA to Keystone for \$100 (\$50 one way). Call toll free 1-800-334-7433 or visit www.ridecme.com for reservations - use discount code "SAGEEP". Attendees can also reserve shuttle transportation when making room reservations with Keystone. More shuttle service and ride sharing options are listed on the SAGEEP website (www.eegs.org and click SAGEEP 2010).

SAGEEP CONFERENCE EVENING EVENT TUESDAY, APRIL 13

This year's evening event will be a special one – Gather around the fireplace or take in the spectacular views of the Ten Mile range, but don't miss the Conference Evening at Keystone Ranch, a 1930s ranch homestead that combines rustic elegance with unique mountain dining. Includes roundtrip transportation, dinner, wine and entertainment.

SAGEEP 2010 FIELD TRIP THURSDAY, APRIL 15 (FULL DAY)

Along the drive on I-70 to the Shoshone Plant, participants can follow along published road logs that include geologic points of interest as well as information on the award-winning Glenwood Canyon highway project. Xcel Energy will provide a one-hour tour of the Shoshone Hydroelectric Plant located along the Colorado River outside of Glenwood Springs in Glenwood Canyon. The trip will continue to Glenwood Springs where participants will ride the scenic gondola-style Iron Mountain Tramway up to an elevation of 7,100 ft. with panoramic views of the Rocky Mountains. Lunch is at the top of the tram prior to the guided walking tour of Glenwood Caverns and Historic Fairy Caves, including the most highly decorated room in Colorado. Includes roundtrip transportation, entrance fees to tours, and lunch. Please bring comfortable walking shoes and suitable outerwear for springtime in the Rockies (changeable) weather. (Limited registration.)

STUDENT VOLUNTEERS/SCHOLARSHIPS AVAILABLE

Students who work two shifts at SAGEEP 2010 are eligible to receive a rebate of their student registration fees. If interested, please contact EEGS at tel. (303) 531-7517 or e-mail staff@eegs.org by February 26, 2010. Once again, Geometrics is pleased to announce a limited number of student scholarships to offset the cost of attending SAGEEP 2010. Students must be in good standing at an educational institution and provide an application letter signed by a faculty member. Application letters should include areas of interest in geophysics, graduation date, dissertation/thesis/senior project topic and thoughts on employment after graduation. Please send the letter (e-mail only please) to linda@geometrics.com.

SAGEEP 2010 REGISTRATION FORM

Mail or Fax completed registration form & payment to: **EEGS/SAGEEP 2010**
1720 S. Bellaire St., #110
Denver, CO 80222-4303 USA
(USA country code is +1)
Tel: 303-531-7517
Fax: 303-820-3844
E-mail: staff@eegs.org

Note: This is a preliminary program and subject to change. Please do not make travel arrangements based on this schedule.

Important Payment Information: Checks from Canadian bank accounts must be drawn on banks with US affiliations (example: checks from Canadian Credit Suisse banks are payable through Credit Suisse New York, USA). If you are unsure, please contact your bank. As an alternative to paying by check, we recommend sending money orders or paying by credit card.

Please print or type. Deadline for Early-Bird Registration Discount is March 12, 2010. Register online at www.eegs.org

A. Delegate Information

Name: _____ Email: _____

Company/Affiliation: _____

Address: _____

City/State/Zip/Country: _____

Telephone: _____ Fax: _____

Registration must be received by the close of business on Friday, March 12, 2010 to receive the Early-Bird rates. Payment must be in US dollars and accompany the completed registration form. Please contact EEGS if you have any questions. Cancellation Policy: No Refunds After March 12, 2010. **Pre-registration deadline is March 12, 2010. After this date, on-site registration only.**

I am a member of: EEGS ASCE-GI SEG-J ASEG AEG Member rate is available to all EEGS, ASCE-GI, SEG-J, ASEG and AEG members.

Please complete a separate form for each registrant. Check boxes and circle appropriate rates to indicate your choices.

B. Conference Registration

MONDAY ONLY April 12, 2010
 Monday Only conference includes: keynote address, oral and poster presentations, exhibits, conference program book and 25% off the purchase of one copy of SAGEEP 2010 Proceedings CD-ROM.

<input type="checkbox"/> Member Rate:	Early-Bird	On-Site
	\$250	\$350
<input type="checkbox"/> Non-Member Rate:	\$350	\$450

SAGEEP CONFERENCE RATE
 Conference rate includes: ice breaker, keynote address, oral and poster presentations, exhibits, conference program book and one copy of SAGEEP 2010 Proceedings CD-ROM.

<input type="checkbox"/> Member Rate:	Early-Bird	On-Site
	\$475	\$575
<input type="checkbox"/> Non-Member Rate:	\$575	\$675

STUDENT RATE
 (Must be able to demonstrate that you are currently enrolled in an accredited science or engineering undergraduate or graduate program or have graduated in the past 2 years.) Includes same as SAGEEP Conference rate.

<input type="checkbox"/> Member Rate:	Early-Bird	On-Site
	\$105	\$180
<input type="checkbox"/> Non-Member Rate:	\$155	\$230

EXHIBITORS
 Exhibiting companies receive one (1) full conference registration and two (2) complimentary exhibit personnel registrations for each paid booth space as well as one copy of the SAGEEP 2010 Proceedings CD-ROM. Additional exhibit personnel registrations may be purchased at the \$50 exhibitor registration fee. Exhibitor registration fees include all printed program materials and admission to food and beverage events held in the exhibit hall. Please complete this form even if the registration is complimentary.

<input type="checkbox"/> Comp Full Conference Registration (Limit 1 per 10x10 booth)	Early-Bird	On-Site
	\$0	\$0
<input type="checkbox"/> Comp Exhibit Personnel (Limit 2 per 10x10 booth)	\$0	\$0
<input type="checkbox"/> Additional Exhibit Personnel	\$50	\$50

C. Short Courses

Register for both Seismic Courses and Save! Student rate registrations accepted on a space available basis and include electronic course materials.

	EEGS Members		Non-Members	
	Early-Bird	On-Site	Early-Bird	On-Site
*SC-1: Surface Waves are for Everyone (Sat) Student Rate:	\$375	\$475	\$475	\$575
*SC-2A: Processing of Seismic Refraction Tomography Data (Sat) Student Rate:	\$225	\$325	\$325	\$425
*SC-2B: Principles and Applications of Seismic Refraction Tomography (Sun) Student Rate:	\$375	\$475	\$475	\$575
*SC-2A & 2B: Both Seismic Courses (Sat & Sun) Student Rate:	\$495	\$595	\$595	\$695
*SC-3: Time-domain Electromagnetics to Ground-Water Studies (Sun) Student Rate:	\$375	\$475	\$475	\$575
*SC-4: Geophysical Investigations of Dams & Levees (Thurs) Student Rate:	\$375	\$475	\$475	\$575
*W-1: Airborne EM for Environmental & Engineering Applications (Thurs) Student Rate:	\$165	\$265	\$265	\$365
	\$50	\$100	\$100	\$150

D. Field Trip

*Full Day Shoshone Hydroelectric/Glenwood Cavern Tour including lunch - Glenwood Springs (Thurs)	Early-Bird	On-Site
	\$95	\$105

E. Luncheons / Activities

	Early-Bird	On-Site
*SAGEEP Café (Mon) Meal Choices -check to select: <input type="checkbox"/> Turkey <input type="checkbox"/> Ham <input type="checkbox"/> Grilled Vegetables	\$20	\$25
EEGS Luncheon (Tues) Speaker: EEGS / Geonics Early Career Award Recipient	\$40	\$45
*SAGEEP Conference Evening Event at Keystone Ranch (Tues)	\$85	\$90
*SAGEEP Café (Wed) Meal Choices -check to select: <input type="checkbox"/> Turkey <input type="checkbox"/> Ham <input type="checkbox"/> Grilled Vegetables	\$20	\$25

F. Additional SAGEEP 2010 Proceedings

\$75 per copy (member): Total Copies _____ \$ _____ Total

\$100 per copy (non-member): Total Copies _____ \$ _____ Total

Shipping & Handling: (# copies x price + Shipping & Handling = Total \$)

USA \$7 Canada/Mexico \$15 Other Countries \$40

G. Payment Information (US dollars only)

Check # _____ (Made Payable to EEGS)

MC Visa Discover Amex

Card Number: _____ Exp. Date: _____

Name on Card: _____

Signature: _____

A. EEGS Membership: \$ 90.00 (electronic JEEG) \$ _____
\$100.00 (printed, mailed JEEG) \$ _____

Register for SAGEEP at Member Rates - become a member today! Contact EEGS (online at www.eegs.org) for Corporate Membership information & EEGS Foundation contribution options.

B. SAGEEP Conference Registration

Monday Only SAGEEP \$ _____

Full SAGEEP Conference \$ _____

Student SAGEEP \$ _____

Exhibitor \$ _____

C. Short Courses/Workshop

SC-1 Surface Waves are for Everyone \$ _____

SC-2A Processing of Seismic Refraction Tomography Data \$ _____

SC-2B Principles & Applications of Seismic Refraction Tomography \$ _____

SC-2A&2B Processing AND Principles & Applications of Seismic Refraction Tomography \$ _____

SC-3 Application of Time-domain Electromagnetics to Ground-Water Studies \$ _____

SC-4 Geophysical Investigations of Dams & Levees \$ _____

W-1 Airborne EM for Environmental & Engineering Application \$ _____

D. Field Trip

Shoshone/Glenwood Caverns Tour w/ Lunch -Thurs \$ _____

E. Luncheons/Activities

SAGEEP Café (boxed lunch) - Mon \$ _____

EEGS Luncheon - Tues \$ _____

SAGEEP Cafe (boxed lunch) - Wed \$ _____

SAGEEP Conference Evening at Keystone Ranch - Tues \$ _____

F. Additional SAGEEP Proceedings

Check box if you previously paid an abstract fee(s) and subtract this amount. \$ _____

TOTAL: USD \$ _____

* EEGS reserves the right to cancel this event if minimum requirements are not met by March 12, 2010. Tour has limited capacity - register early.

Note: Attendees may be photographed by EEGS for archival and marketing purposes. No photography will be taken during scientific sessions.