

2006 AGU Fall Meeting List of Exhibitors and Profiles

2G Enterprises

Booth 306

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2G Enterprises manufactures high performance superconducting rock magnetometer systems. These instruments use DC SQUID sensors to achieve magnetic moment sensitivity of 3×10^{-9} emu while still maintaining a low helium boil off (10 liters/day). 2G Enterprises also manufactures high field (3000G) Degaussing systems, rock sample handlers, pulse magnetizers and single and three axis fluxgate magnetometers with noise levels of 10^{-6} G. Design work is also now underway on a future system without a helium dewar to eliminate helium refills.

Aanderaa Data Instruments

Booths 930, 932

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Aanderaa Data Instruments - 40th Anniversary – announces a Breakthrough in commercial availability of Remote Underwater Observing Systems. Our Seaguard Host and expanding line of distributed Sensors mark a turning point in instrumentation for Hydro Acoustic, Optical, Electro-Chemical, Pressure, Temperature and Meteorological observing systems and self-contained instrumentation. Known for reliable robust products Aadi is a trusted source to Oceanographic Institutes, Universities, Geophysical Surveyors, Navies, Offshore Oil & Gas, Harbours, Government Agencies, Water Authorities, Electric Utilities.

Academia Book Exhibits

Booth 414

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Multipublisher display of academic books and journals.

Advanced Geosciences, Inc.

Booth 118

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Advanced Geosciences is the manufacturer of the SuperSting geophysical resistivity imaging system. The company is based in Austin, Texas and has been active in the geophysical field since 1989. Our state-of-the-art products include the SuperSting memory earth resistivity/IP meter with automatic electrodes and the EarthImager 2D and 3D inversion software.

Airborne Science and Technology Laboratory

Booth 812

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The Airborne Science and Technology Laboratory is located at the NASA Ames University-Affiliated Research Center, and is run in collaboration with the University of California at Santa Cruz. It is tasked with developing remote sensing systems and collecting calibrated data in support of the NASA Earth science community. Current emphasis is on the development of sensors for Unpiloted Aerial Vehicles (UAVs) as NASA seeks to demonstrate and explore their unique capabilities.

American Astronomical Society

Booth 829

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American Geological Institute

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The American Geological Institute is a nonprofit federation of 44 geoscientific and professional associations that represents more than 120,000 geologists, geophysicists, and other earth scientists. Founded in 1948, AGI provides information services to

geoscientists, serves as a voice of shared interests in our profession, plays a major role in strengthening geoscience education, and strives to increase public awareness of the vital role the geosciences play in society's use of resources and interaction with the environment.

American Geophysical Union (AGU)

Booth 305

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The American Geophysical Union (AGU) is an international scientific society of over 45,000 researchers and students in 140 countries; membership also extends to academic and research institutions and corporations. AGU contributes to the understanding of Earth, other planets, and their space environment. AGU advances the Earth and space sciences by catalyzing and supporting the efforts of individual scientists within and outside the membership. The Union organizes and disseminates information for the scientific community through books and journals and through large and small scientific meetings. As a learned society AGU meets its obligation to serve the public good by fostering quality in Earth, atmospheric, oceanic, hydrologic, space, and planetary sciences and bringing the results of such research to the public. The Earth and space sciences transcend national boundaries, as does AGU. Individual scientists worldwide are equals in all AGU activities.

Applied Geomechanics, Inc.

Booth 327

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Geophysicists know Applied Geomechanics Inc. (AGI) of Santa Cruz, CA as a world leader in the design, manufacture and application of high resolution tiltmeters, inclinometers and data acquisition systems. Resolutions from hundredths of a degree to nanoradians are available. Visit www.geomechanics.com or call (831) 462-2801.

ASC Scientific

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Manufacturer and supplier of research tools for the Earth sciences, specializing in paleomagnetic instruments, GPS, and field geology equipment. Paleomagnetic instruments include spinner magnetometers, demagnetizers and susceptibility instruments from AGICO, Bartington, Molspin and ASC. GPS products include Trimble GIS data capture systems and laser rangefinders from LTI and Laser Atlanta.

Beta Analytic, Inc.

RadioCarbon Dating Services

Booth 113

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Booths 520, 522

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California Geological Survey

Booth 232

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The California Geological Survey is regarded as the primary source of geological and seismological products and services for decision making by California's government agencies, its businesses and the public.

Cambridge University Press

Booths 421, 423

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Please stop by the CUP booth to receive a 20% discount on the latest in Geoscience, including Brutsaert: Hydrology, Pollard: Fundamentals of Structural Geology, Anderson: Thermodynamics of Natural Systems, Ingebritsen: Groundwater in Geologic Processes 2ed, Nemcok: Thrustbelts, Fröhlich: Deep Earthquakes. Editor Matt Lloyd will be available to discuss book proposals.

Campbell Scientific, Inc.

Booth 417

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For over 30 years, Campbell Scientific's rugged, programmable, low powered dataloggers have been delivering environmental data from the world's harshest climates. The new generation CR3000 and CR1000 Dataloggers support Compact Flash data storage and several telecommunication options, including TCP/IP protocol. Campbell Scientific supplies soil moisture sensors, including TDR, AWS networks, and is a leader in measuring surface emissions of trace gases, including CO₂ isotopes, N₂O, CH₄, and NH₃.

Center for Remote Sensing of Ice Sheets

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The Center for Remote Sensing of Ice Sheets (CReSIS) is one of 17 National Science Foundation Science and Technology Centers (STC). Established in 2005, CReSIS is developing new technologies and computer models to measure and predict the response of ice sheets to climate change. CReSIS will also contribute to educating and increasing the diversity of the next generation of scientists and engineers in the geosciences.

Cetac Technologies

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CETAC Technologies is a worldwide leader in sample handling and sample introduction technologies for elemental analysis. CETAC provides a comprehensive range of product based solutions for the analysis of elements in samples ranging from drinking water and high purity acids to radioactive waste. We develop, manufacture and market a family of products and services that provide essential solutions to customers around the globe.

Consortium for Materials Properties Research in Earth Sciences (COMPRES)

Booth 828

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COMPRES facilitates the operation of high-pressure beamlines for Earth Sciences at national synchrotron and neutron facilities, supports the development of new technologies for high-pressure research, and advocates for science and educational programs to the various funding agencies. The goal of COMPRES is to enable Earth Science researchers to conduct the next generation of high pressure science on world-class equipment and facilities and to enhance the access to appropriate resources and infrastructure.

Consortium for Oceanographic Research and Education (CORE)

Booth 620

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The Consortium for Oceanographic Research and Education (CORE) is the Washington, DC based non-profit organization representing leading public and private ocean research and education institutions, aquaria and industry. Since 1994, CORE has established a leadership role on oceanographic issues and the development of marine science policy. CORE is respected as the voice of the ocean community and is dedicated to promoting awareness and appreciation of the oceans among government agencies, non-governmental organizations and the general public.

Consortium of Universities for the Advancement of Hydrologic Sciences, Inc. (CUAHSI)

Booth 732

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Decagon Devices, Inc.

Booths 515, 517

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Decagon Devices has manufactured quality instrumentation for plant and soil researchers for over 20 years. Our products include the ECH2O probe for soil moisture monitoring, the WP4 water potential meter, and the LP-80 Ceptometer for PAR and LAI measurement. Come by our booth and see our newly re-designed mini-disk infiltrometer for measuring soil hydraulic conductivity and our new steady-state porometer for measuring stomatal conductance.

DeltaNu, LLC

Booth 526

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DeltaNu is the price-performance leader for Raman spectrometers. We showcase two products for the Earth Sciences. The *RockHound*, winner of the *R&D 100 Award 2006*, is our handheld spectrometer for non-destructive mineral identification. The *RockHound* mineral library has over 500 minerals and growing. Add the *NuScope* microscope accessory to the *RockHound* to characterize inclusions and fine grains. The *ExamineR* is a high-performance Raman microscope based upon the Olympus BX51 platform which provides diffraction limited capabilities.

Delta-T Devices

Booth 723

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Delta-T designs and manufacture instruments for meteorology, agronomy, eco-physiology, soil science, solar energy studies, plant canopy analysis and environmental monitoring. We specialise in soil moisture sensors for research, ground truthing and agricultural

applications. Single point and vertical profiles are read instantaneously or may be continuously monitored with a logger. Other products include Porometers, Canopy Analysis systems, Weather Stations, Sunshine Sensors, Data Loggers and Image Analysis systems for leaf area and root length quantification.

Digital Technology Associates

Booths 527, 626

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Digital Technology Associates is the exclusive Guralp Systems Sales and Service Center in North, Central, South America and the Caribbean region. Guralp Systems produces analog and digital seismic systems capable of monitoring all frequencies from earth tides to 200 Hz and covering weak, moderate and strong motion levels. The instrumentation can be surface, borehole or ocean-sited. This year's exhibit will feature new portable data acquisition systems, seismographs and accelerographs.

DOSECC, Inc.

Booth 209

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DOSECC (Drilling, Observation and Sampling of the Earths Continental Crust) is a nonprofit corporation whose mission is to provide leadership and technical support in subsurface sampling and monitoring technology for addressing topics of scientific and societal importance. DOSECC does this by serving as the link between the earth sciences and drilling technologies, promoting a coordinated and integrated continental scientific drilling program for the earth science community. Fifty-four research organizations are members of DOSECC.

Droplet Measurement Technology

Booth 617

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Droplet Measurement Technologies will be exhibiting the Ultra High Sensitivity Aerosol Spectrometer, with size measurement from 55-1000 nm in 99 user selectable size bins. The photoacoustic spectrometer for real-time measurement of aerosol absorption will also be exhibited. DMT has a full line of aerosol and cloud spectrometers covering the size region from 55 nm to 6

mm, for airborne, mobile and ground-base measurement applications.

Dynamax, Inc.

Booth 721

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Dynamax, Inc has a wide range of products for geoscience and environmental research and is the US representative for ADC BioScientific. ADC BioScientific is a world leader in manufacturing high quality gas exchange instrumentation for atmospheric CO₂, plant science and soil flux research. This year's presentation includes the new Automatic Soil CO₂ Exchange System (ACE).

EarthScope

Booths 211, 213

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EarthScope is a multidisciplinary project to investigate the structure and evolution of the North American continent and the physical processes controlling earthquakes and volcanic eruptions, funded by the National Science Foundation and conducted in partnership with the US Geological Survey and NASA. All EarthScope data are openly available without restriction or cost to maximize participation from the scientific community and to provide on-going educational opportunities for students at all grade levels. www.earthscope.org

Electronic Geophysical Year (eGY)

Booth 314

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The Electronic Geophysical Year, 2007-2008 (eGY) provides an opportunity for the international geoscientific community to focus effort on a 21st Century e-Science approach to issues of data stewardship: open access to data, data preservation, data discovery, data rescue, capacity building, and outreach. eGY focuses on themes of electronic data location and access, permission and release of data, conversion of data into modern

digital form, data preservation, capacity building, particularly in developing countries, and outreach. Promoting the development of a network of virtual observatories is a central feature of eGY.

Elsevier

Booths 720, 722, 724

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Environmental Isotope Laboratory

Booth 128

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The Environmental Isotope Laboratory (uweILAB.ca) is a world class research facility specializing in the analysis of HCNOSCI isotopes in natural and man-made organic and inorganic materials. Fee-for-service analytical support is provided to University of Waterloo researchers, as well as Canadian and international professors, professionals and government agencies by highly qualified staff operating liquid scintillation counters (LSC's), isotope ratio mass spectrometers (IRMS's) with inlets systems that include gas chromatographs, elemental analyzers and gas autosamplers as well as off line preparation systems to perform all advertised analyses. Operational infrastructure is provided by fee- for-service analyses, and an NSERC MFA grant.

ERDC Cold Regions Research and Engineering Laboratory (CRREL)

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The Cold Regions Research and Engineering Laboratory

(CRREL), is a nationally and internationally renowned research, development, and engineering facility of the U.S. Engineer Research and Development Center (ERDC). The Lab's basic and applied research programs are focused on winter conditions and cold regions, the impact of climate change, and environmental sensor interaction. To include sensor energy propagation and signature physics, environmental quality, and military engineering; providing critical expertise to other organizations and the nation.

Essex Cryogenics of Missouri

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European Geosciences Union (EGU)

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The European Geosciences Union is a dynamic, innovative, and interdisciplinary learned association. It is devoted to the promotion of the sciences of the Earth and its environment and of planetary and space sciences and supports the cooperation between scientists. To achieve these objectives the EGU organizes General Assemblies and Topical Conferences, publishes peer-reviewed, online, and open-access journals and book series, and undertakes outreach activities involving schools, universities and the media.

Exploratorium

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Based in San Francisco, CA., the Exploratorium is the museum of science, art and human perception founded by Dr. Frank Oppenheimer in 1969. The Exploratorium offers exhibits for sale, rental, featured traveling exhibitions, *Memory* and *Traits of Life* and ExNET, its unique exhibit and education partnership program. Exploratorium has also developed exhibits for research dissemination at LIGO and U.C. Berkeley. Educational workshops and consulting services are also available.

Gem Advanced Magnetometers

Booth 120

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Gems and Crystals Unlimited

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GeoHazards International (GHI) is a California-based nonprofit organization working toward global earthquake safety. Supported by member donations and grant funding, GHI seeks to reduce death and suffering due to earthquakes and other natural hazards in the world's most vulnerable communities through advocacy, preparedness, mitigation and prevention. GHI initiates earthquake safety projects that assess risk, raise awareness, improve seismic safety and strengthen the ability of local governments and non-governmental organizations to manage their risk. Visit www.geohaz.org.

Geoinformatics for Geochemistry

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Geophysical Institute**Booth 112**

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Geophysical Institute, University of Alaska Fairbanks scientists study a spectrum of geophysical processes ranging from the center of Earth to the center of the sun, and beyond. The institute is the home of the Alaska Satellite Facility, the Alaska Volcano Observatory, Alaska Earthquake Information Center, Poker Flat Research Range, Mather Library, and UA's Geographic Information Network of Alaska.

Geological Society of America**Booth 733**

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The Geological Society of America, founded in 1888, is a broad, unifying, international scientific society, dedicated to catalyzing and communicating new ways of thinking about natural systems among geoscientists within and across disciplines, encouraging cooperative research among earth, life, planetary, and social scientists (disseminating research through quality meetings), fostering dialogue on geoscience issues, and supporting earth science education. The Society serves as a venue for establishing and maintaining lifetime professional relationships.

Geological Society of London**Booth 731**

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Geometrics, Inc.**Booth 428**

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Geometrics, a member of the OYO Corporation, manufactures, sells, and services portable geophysical instruments for land, marine, and air investigations of the subsurface. Geometrics' product line includes proton precession and cesium magnetometers, high-resolution seismographs, and electrical conductivity imaging and resistivity systems. Geometrics' instruments are used around the world for natural resource exploration, geotechnical and environmental assessments, ordnance detection, locating archeological and treasure sites, and teaching and research.

Geon**Booths 220, 222**

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GEON is an NSF funded research project facilitating information integration and knowledge discovery in the Geosciences. The efforts of this project are enabling scientific discovery and improving education in the Geosciences thru information technology research. The GEON booth will demonstrate data integration, visualization and other tools developed by the project. Project team members will be on hand to discuss the status and goals of the project, as well as the tools and resources available on the GEON portal (www.geongrid.org).

Geosyntec Consultants**Booth 725**

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Founded in 1983, Geosyntec is among the top 200 engineering

firms in the United States with 550 employees and current revenues of approximately \$100M. The company is a practice-centered, employee-owned organization that provides technical leadership, innovation, and exceptional project execution in the fields of geotechnical engineering, environmental restoration and operations, natural resources management, and solid waste management. The experience, skill, and insight of Geosyntec's nationally-recognized practitioners are the reason for the firm's successful performance on sensitive, high visibility, technically challenging projects throughout the United States and abroad. Geosyntec's clients include some of the most recognized names in corporate America: Amoco, AlliedSignal, ARCO, Chevron, DuPont, Lockheed, Shell Oil Company, and Waste Management, Inc. Our federal clients include DOE, USEPA, NASA, FAA, the Federal Highway Administration, the U.S. Air Force, the U.S. Navy, and the U.S. Postal Service.

Geotech Instruments

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Geotech Instruments, LLC is a Dallas, Texas based company specialized in the design and manufacturing of the widest range of professional earthquake and infrasound monitoring systems: seismometers and accelerometers, digitizers and recorders, Central Data Acquisition and advanced real-time processing, complemented with a suite of interactive analysis software packages.

German Academic Exchange Service (DAAD)

Booth 712

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At the "AGU Fall-Meeting" German research organisations and funding agencies like AvH, DFG, DAAD, MPG, FhG, Helmholtz, Leibniz and the German universities will offer information on study and research stays in Germany. It is our aim is to strengthen the well-established academic relations between the USA and Germany and to initiate new cooperations and academic exchange. We are looking forward to meet you at our booth "Research in Germany".

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Institute for Computational Earth System Science

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Institut National des Sciences de L'Univers

Booths 921, 923

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International Association for Mathematical Geology

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The aim of the IAMG is to promote international cooperation in the application and use of mathematics in geological and geophysical research and technology. IAMG publishes three journals, Computers & Geosciences (with links to published software code), Mathematical Geology and Natural Resources Research, and a newsletter. Meetings are held annually throughout the world.

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International Year of Planet Earth

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The International Year of Planet Earth has been proclaimed by the United Nations for 2008, and its activities will span 2007 to 2009. It is a global research and outreach initiative that aims to bring home the importance of Earth sciences to everyone. IUGS, the International Union of Geological Sciences, is one of the year's two initiators (UNESCO being the other). The 33rd International Geological Congress (Norway, August 2008) will present the highlights of the Year.

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Booth 616

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Mark Richards is Offshore Contracts Manager at Seacore Limited, from the UK. He has had overall responsibility for scientific coring projects at Lomonosov Ridge Antarctica, Lake Malawi and Tahiti, plus deepwater massive sulphide sampling in PNG and New Zealand. Seacore holds a pre-eminent position in the fields of marine scientific coring and geological investigations and offers bespoke drilling solutions from vessels of opportunity, or access to a fleet of dedicated drilling vessels around the world.

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