

PARTNERS IN ENVIRONMENTAL TECHNOLOGY TECHNICAL SYMPOSIUM & WORKSHOP



SERDP



MEETING DoD's ENVIRONMENTAL CHALLENGES



**Marriott Wardman Park Hotel
Washington, D.C.
December 4-6, 2007**



ABOUT THE SPONSORS

Partners in Environmental Technology is the hallmark of the annual Technical Symposium & Workshop hosted by the **Strategic Environmental Research and Development Program (SERDP)** and the **Environmental Security Technology Certification Program (ESTCP)**. The concept reflects not only the partnership formed by the two host organizations but, more significantly, highlights the many different partnerships that play a pivotal role in the success of federal technology development: the partnership between Department of Defense (DoD) research and development programs; the partnership between DoD and the Department of Energy (DOE), the Environmental Protection Agency (EPA), and other federal agencies; the partnership between federal agencies, private industry, and academia; and most importantly, the partnership between technology developers, the numerous end users of technology, and environmental regulators/policy developers.



The Symposium & Workshop assembles this nation's best environmental researchers and technology developers with the defense user and regulatory communities to showcase cutting edge environmental science and technologies, as well as communicate the most difficult challenges of our defense establishment. Through this process, **SERDP and ESTCP strive to provide a forum for users in the field to examine technologies that may offer solutions to their most pressing environmental problems.**



SERDP

SERDP is DoD's environmental science and technology program, planned and executed in full partnership with DOE and EPA, with participation by numerous other federal and non-federal organizations. To address the highest priority issues confronting the Army, Navy, Air Force, and Marines, SERDP focuses on cross-service requirements and pursues high-risk/high-payoff solutions to the Department's most intractable environmental problems. The development and application of innovative environmental technologies support the long-term sustainability of DoD's training and testing ranges as well as significantly reduce current and future environmental liabilities.



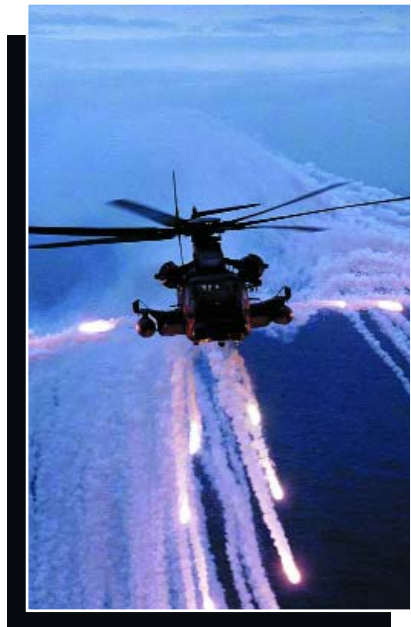
ESTCP is DoD's environmental technology demonstration and validation program. The goal of ESTCP is to identify, demonstrate, and transfer technologies that address DoD's highest priority environmental requirements. The Program promotes innovative, cost-effective environmental technologies through demonstrations at DoD facilities and sites. These technologies provide a return on investment through improved efficiency, reduced liability, and direct cost savings. ESTCP's strategy is to select lab-proven technologies with broad DoD application and aggressively move them to the field for rigorous trials documenting their cost, performance, and market potential.

ABOUT THE THEME

MEETING DoD's ENVIRONMENTAL CHALLENGES

The environmental challenges faced by the Department of Defense fall into two broad categories: those that limit the use of DoD's training and testing installations and those that represent current and future environmental liabilities. DoD needs to better understand how military activities may affect neighboring communities as well as the natural resources and ecosystems on these installations to ensure the continued use of these unique and realistic training environments. Improving the military's ability to monitor, reduce, or eliminate emissions and waste discharges from DoD industrial operations and infrastructure support systems is equally important. Meeting these challenges often results in increased performance, reduced life-cycle costs, and reduced future liabilities for DoD—key elements to maintaining readiness and achieving sustainable military operations.

SERDP, ESTCP, and partnering organizations are responding to these challenges with an improved understanding of the underlying science and with innovative technological advances. This Symposium & Workshop will highlight SERDP and ESTCP's focused efforts to reduce current and future environmental liabilities and ensure the sustainability of military training and testing ranges.





ABOUT THIS YEAR'S EVENT

PLENARY SESSION

The Symposium & Workshop will commence on Tuesday morning with presentations by our distinguished Plenary Session speakers, including officials of the U.S. Department of Defense and a renowned author and expert on global security, energy, and the environment. These Plenary Session speakers will offer attendees key insights into current and emerging environmental issues.



Mr. Philip W. Grone, Deputy Under Secretary of Defense for Installations and Environment, will lead off the Plenary Session by speaking about the latest developments in DoD environmental policy and objectives for meeting environmental and energy challenges faced by the Department. In addition to his responsibilities for installation capabilities, programs, and budgets, including the integration of installations and environment needs into the weapons acquisition process, Mr. Grone has responsibility for environmental management, safety, and occupational health; environmental restoration at active and closing bases; conservation of natural and cultural resources; pollution prevention; environmental technology; fire protection; and explosives safety.



Major General Michael R. Lehnert, the Commanding General of Marine Corps Installations West, will talk from experience about the Marine Corps' Environmental Stewardship Programs at Marine Corps Base Camp Pendleton, as well as the innovative approaches to conservation and natural resources used by the United States Marine Corps. Major General Lehnert's command experiences include Commander, Marine Wing Support Group 27 in Cherry Point, North Carolina; Assistant Deputy Commandant for Installations and Logistics at Headquarters, U.S. Marine Corps in Quantico, Virginia; Commander, 2d Force Service Support Group at Camp Lejeune, North Carolina; Commander, Joint Task Force 160 in Guantanamo Bay, Cuba; Commander, Marine Logistics Command at Albany, Georgia; and Commanding General, Marine Corps Base Camp Pendleton, California.



Dr. Thomas Homer-Dixon holds the George Ignatieff Chair of Peace and Conflict Studies at the Trudeau Centre for Peace and Conflict Studies at the University of Toronto. His research has focused on threats to global security in the 21st century and on how societies adapt to complex economic, ecological, and technological change. His work is highly interdisciplinary, drawing on political science, economics, environmental studies, geography, cognitive science, social psychology, and complex systems theory. His books include *The Upside of Down: Catastrophe, Creativity, and the Renewal of Civilization*; *The Ingenuity Gap*, which won the 2001 Governor General's Nonfiction Award; and *Ecoviolence: Links Among Environment, Population, and Security*.

PROJECT-OF-THE-YEAR AWARDS

As part of the Plenary Session, SERDP and ESTCP will recognize its top researchers with the annual Project-of-the-Year Awards. **Mr. Bradley Smith**, Executive Director of SERDP, and **Dr. Jeffrey Marqusee**, Director of ESTCP, will present these awards to Principal Investigators who have helped DoD achieve its mission while improving its environmental performance.

TECHNICAL SESSIONS

A comprehensive technical program featuring as many as six speakers in each of twelve unique sessions will follow the Plenary Session. These sessions will highlight recent advances in our scientific understanding of key environmental and sustainability issues as well as proven environmental technologies to address emerging DoD environmental challenges. **Be sure to review the preliminary technical program on the pages that follow to identify those technical sessions that meet your areas of interest.**



FUNDING OPPORTUNITIES BRIEFING

The Technical Program will conclude with a briefing that will provide attendees with a summary of the SERDP and ESTCP program development process and opportunities for interested scientists to conduct research and technology demonstrations. This “how to play” briefing will offer essential information for those who wish to understand **new funding opportunities within SERDP and ESTCP.**

EXHIBIT HALL

This year's Symposium & Workshop will continue the highly successful **poster and exhibit booth sessions** and will showcase a record number of technologies and scientific advancements from a variety of environmental research programs. This venue, **featuring two groups of posters over two days**, also provides the opportunity to learn first-hand about ongoing and recently completed SERDP research projects and ESTCP technology demonstrations.



EVENING TECHNICAL EXCHANGE RECEPTIONS

Join your colleagues at **evening technical exchange receptions** on December 4 and December 5 that will offer opportunities for attendees to tour posters and exhibit booths while exchanging information and discussing opportunities for technology transfer and partnerships.





SYMPOSIUM TECHNICAL PROGRAM

TUESDAY, DECEMBER 4 (9:00-11:30 a.m.)

PLENARY SESSION

Symposium Opening

Dr. Jeffrey Marqusee

Director, ESTCP

Technical Director, SERDP

Sustaining Military Readiness

Mr. Philip Grone

Deputy Under Secretary of Defense for

Installations and Environment

U.S. Department of Defense

A Country Worth Defending Is a Country

Worth Preserving

Major General Michael Lehnert

Commanding General, Marine Corps

Installations West

U.S. Marine Corps

Conflict in a Nonlinear World: Complex Adaptation at the Intersection of Energy, Climate, and Security

Dr. Thomas Homer-Dixon

Professor and George Ignatieff Chair of Peace
and Conflict Studies

Trudeau Centre for Peace and Conflict Studies

University of Toronto

Project-of-the-Year Awards

Dr. Jeffrey Marqusee and

Mr. Bradley Smith

Plenary Session Closing

Mr. Bradley Smith

Executive Director, SERDP

Deputy Director, ESTCP

TUESDAY, DECEMBER 4 (1:45-5:00 p.m.)

Afternoon Concurrent Technical Sessions

SESSION 1A

Topic: *Groundwater Remediation:
Engineering In-Situ Delivery and
Treatment*

Chair: **Dr. Perry McCarty**
Stanford University/Department of
Civil and Environmental Engineering

Keynote: **Dr. Peter Kitanidis**
Stanford University/Department of
Civil and Environmental Engineering

The existence of low permeability or complex hydrogeologic settings makes the delivery of

in-situ treatment amendments to the subsurface difficult. The primary challenge becomes bringing the contaminants into contact with the appropriate amendments and ensuring control of amendment reactivity. This session will highlight our current understanding of the issues and efforts associated with the delivery, emplacement, and mixing of injected amendments necessary to enhance the remediation of contaminated groundwater.

SESSION 1B

Topic: *Sustainable Forest Management on DoD Lands*

Chair: **Dr. Lindsay Boring**
Joseph W. Jones Ecological
Research Center

Keynote: **Dr. Jerry Franklin**
University of Washington/College of
Forest Resources

Sustainable, or ecological, forest management can encompass the ecological use of fire as a management tool in fire adapted ecosystems, continuous forest or uneven-aged silvicultural practices, and whole system thinking. Although timber harvesting may be one of several key management tools, maximization of timber revenues is not the emphasis. Given DoD's emphasis on the use of its forest management practices to focus on mission support and the stewardship of forested ecosystems, it has the potential to become a leader in the practice of sustainable forest management. This session will examine the underlying science and management questions associated with the practice of sustainable forest management.

SESSION 1C

Topic: *Munitions Response: Innovative Sensor Technologies*

Chair: **Mr. Douglas Maddox**
U.S. EPA/Federal Facilities
Restoration and Reuse Office

Keynote: **Ms. Miki Schneider**
Anniston-Calhoun County/McClellan
Joint Powers Authority

Emerging sensors, signal processing, and other technologies are improving the detection, characterization, and cleanup of military munitions. This session will highlight recent advances that have the promise both to improve the quality of munitions response actions and to reduce costs of these actions.

SYMPOSIUM TECHNICAL PROGRAM

WEDNESDAY, DECEMBER 5 (8:30-11:45 a.m.)

Morning Concurrent Technical Sessions

SESSION 2A

Topic: *Near- and Long-Term Management Strategies for Range Contaminants*

Chair: **Dr. Thomas Jenkins**
U.S. Army Corps of Engineers/
Engineer Research and Development
Center/Cold Regions Research and
Engineering Laboratory

Keynote: **Ms. Lori Macadam**
Canadian Department of National
Defence/Land Force Command/
Director Land Environment

DoD ranges are to be managed and operated in such a way as to support their long-term viability and utility to meet the national defense mission while protecting human health and the environment. Assessing and managing the environmental impacts of munitions use are central activities to achieving range sustainability. This session will focus on sampling methodologies applicable to ranges, as well as near- and long-term strategies to treat or contain munitions constituents.

SESSION 2B

Topic: *Environmental Impact of Fuel Use in Military Engines (Part I)*

Chairs: **Dr. Julian Tishkoff**
Air Force Office of Scientific
Research/Directorate of Aerospace,
Chemical and Materials Sciences
Dr. Thomas Litzinger
The Pennsylvania State University/
Department of Mechanical and
Nuclear Engineering

Keynote: **Dr. Thomas Litzinger**

Air emissions associated with the combustion of fuels in gas turbine and piston engines are significant issues for the Department of Defense because of their adverse environmental and health effects. Alternative fuels and advanced military engines are two of the major approaches being investigated to reduce air emissions without sacrificing mission performance. This two-part session will highlight recent efforts to measure, characterize, and reduce air emissions from military engines as well as to obtain a fundamental understanding that can lead to the reduction of emissions.

SESSION 2C

Topic: *Environmental Issues Associated with Deployed Bases and Forces*

Chair: **Mr. William Goran**
U.S. Army Corps of Engineers/
Engineer Research and
Development Center/Construction
Engineering Research Laboratory

Keynote: **Mr. Kurt Kinnevan**
U.S. Army Engineer School/
Directorate of Environmental
Integration

Deployed forces face environmental challenges that require different approaches and solutions than those typically employed by military Services on installations within the continental United States. This session will highlight the unique environmental issues confronting terrestrial and maritime deployed forces and will provide insight into available innovative solutions and needed technology development in renewable energy sources and energy conservation, potable water access and water re-use, and solid and hazardous waste and emissions reductions.

WEDNESDAY, DECEMBER 5 (1:45-5:00 p.m.)

Afternoon Concurrent Technical Sessions

SESSION 3A

Topic: *Diagnostic Tools for Contaminant Remediation*

Chair: **Dr. Michael Kavanaugh**
Malcolm Pirnie, Inc.

Keynote: **Dr. Beth Parker**
University of Guelph/
School of Engineering

The performance of an in-situ remediation technology is difficult to monitor and assess. It is often not clear how successful our investments in innovative in-situ technologies have been because of the difficulties associated with measuring and quantifying remedial performance. It can also be difficult to assess when to stop a treatment technology and/or switch to another. This session will focus on innovative methods to monitor and evaluate performance of selected in-situ remedial technologies, including several technology- and geology-specific tools for real-time diagnosis. These tools will include stable isotopes, molecular biological tools, and mass flux/mass discharge measurements.

SYMPOSIUM TECHNICAL PROGRAM

SESSION 3B

Topic: *Environmental Impact of Fuel Use in Military Engines (Part II)*

Chairs: **Dr. Julian Tishkoff**
Air Force Office of Scientific Research/Directorate of Aerospace, Chemical and Materials Sciences
Dr. Thomas Litzinger
The Pennsylvania State University/
Department of Mechanical and Nuclear Engineering

Keynote: **Mr. Carl Burleson**
Federal Aviation Administration/
Office of Environment and Energy

Please refer to the description for Session 2B, Environmental Impact of Fuel Use in Military Engines (Part I).

SESSION 3C

Topic: *Munitions Response: Taking Technology to the Field*

Chair: **Mr. Andrew Schwartz**
U.S. Army Engineering and Support Center, Huntsville

Keynote: **Ms. Heather Polinsky**
National Association of OEW Contractors/Malcolm Pirnie, Inc.

Innovative munitions response technologies are making a transition to the field through demonstrations on live munitions response sites. Presentations in this session will focus on recent demonstration results of mature technologies in real-world conditions.

THURSDAY, DECEMBER 6 (8:30-11:45 a.m.)

Morning Concurrent Technical Sessions

SESSION 4A

Topic: *Wellhead Treatment of Perchlorate*

Chair: **Mr. Bryan Harre**
Naval Facilities Engineering Service Center

Keynote: **Mr. Frank Blaha**
American Water Works Association Research Foundation

As a result of its mobility, high solubility, and potential health effects, perchlorate is one of the most pressing emerging contaminants for DoD. Current options for wellhead treatment of perchlorate are costly. This session will explore the current regulatory environment and examine innovative technologies that

provide more efficient, cost-effective means for wellhead treatment of perchlorate.

SESSION 4B

Topic: *Advances in Green Energetics and Processes*

Chair: **Dr. Robin Nissan**
Naval Air Warfare Center/
Weapons Division

Keynote: **COL Raymond Nulk, U.S. Army**
Program Executive Office for Ammunition/Project Manager Close Combat Systems

Energetic materials are critical to the mission of all the Services of the Department of Defense. Efforts are ongoing to reduce the environmental and human health issues associated with these materials and the processes by which they are synthesized. This session will highlight recent advances in the development of green energetic materials and efforts aimed at reducing the environmental impact of the production and use of current in-service energetics.

SESSION 4C

Topic: *Umbrella Approaches to Species and Habitat Management*

Chair: **Dr. Michael Rosenzweig**
University of Arizona/Department of Ecology and Evolutionary Biology

Keynote: **Dr. Erica Fleishman**
University of California, Santa Barbara/National Center for Ecological Analysis and Synthesis

An ecosystem-based approach to species and habitat management in part involves a more holistic view of the biotic and abiotic elements requiring management attention. Various umbrella approaches have been proposed conceptually as a replacement for single-species approaches but have received little empirical investigation to demonstrate their efficacy. This session will focus on the state of the science and significant remaining data gaps that if not addressed may preclude effective implementation of these approaches on DoD lands.

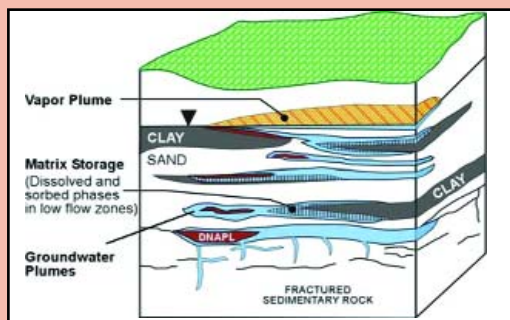


SYMPOSIUM SPECIAL EVENTS

Briefing/Q & A Session: SERDP and ESTCP Funding Opportunities

Thursday, December 6 (Noon – 1:00 p.m.)

In an informal Technical Program concluding session, **Mr. Bradley Smith**, Executive Director of SERDP, and **Dr. Jeffrey Marqusee**, Director of ESTCP, will provide attendees with an overview of the SERDP and ESTCP programs—their charters, organization, investment strategy, funding levels, and areas of emphasis—as well as a summary of opportunities for interested scientists to conduct research and technology demonstrations. **This “how to play” briefing will offer essential information on the solicitation processes** for those who wish to understand how to submit proposals for upcoming funding opportunities within SERDP and ESTCP. Following the briefing, Mr. Smith and Dr. Marqusee will answer questions.



NEW! Short Course: Recent Advances in the Management and Remediation of DNAPL Source Zones

Thursday, December 6 (1:30 – 5:30 p.m.)

The objective of this post-Symposium short course is to present recent information on the management and remediation of dense nonaqueous phase liquid (DNAPL) source zones. SERDP and ESTCP are in the process of finalizing guidance on selecting remedies for chlorinated solvent contamination. This short course will present an overview of the draft Decision Guide, which is scheduled for peer review during 2007 and release in 2008. It is intended as a guide to help remedial project managers (RPM) make decisions regarding the management of chlorinated solvent sites.

Presenters include: **Dr. Tom Sale** (Colorado State University), **Dr. Chuck Newell** (GSI Environmental, Inc.), and **Dr. Hans Stroo** (HydroGeoLogic, Inc.).

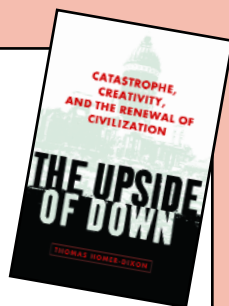
Note: There is no fee to attend this short course. However, **space is limited** and will be made available on a first-come first-served basis. Please register early online or use the registration form in this brochure.

BOOK SIGNING WITH DR. THOMAS HOMER-DIXON

Tuesday, December 4 in the Exhibit Hall

12:30-1:45 p.m. and 5:00-6:30 p.m. during the Reception

Plenary Session Speaker **Dr. Thomas Homer-Dixon**—energy expert, political scientist, and renowned author—will be available to greet participants and sign copies of his most recent book *The Upside of Down: Catastrophe, Creativity, and the Renewal of Civilization*. Today’s converging energy, environmental, and political-economic stresses could cause a breakdown of national and global order. Yet, according to Dr. Homer-Dixon, there are things we can do now to keep such a breakdown from being catastrophic.



Copies of Dr. Homer-Dixon’s book will be available for purchase.



GENERAL SYMPOSIUM INFORMATION

SYMPOSIUM LOCATION

The Symposium & Workshop will be held December 4–6, 2007, at the Marriott Wardman Park Hotel in Washington, D.C.

REGISTRATION

For your convenience, we encourage you to **register for the Symposium online** now at www.serdp-estcp.org/symposium using your credit card. You may also register by mail by completing the registration form at the back of this brochure. Payment in full or a purchase order must accompany your mailed registration form. Please mail the registration form (or a photocopy of the form) along with payment to arrive no later than **Friday, November 23, 2007**. Checks and purchase orders should be made payable to:

HydroGeoLogic, Inc.
SERDP/ESTCP Registrar
11107 Sunset Hills Road, Suite 400
Reston, Virginia 20190

You may also register by sending a completed registration form with credit card information by **fax to (703) 478-0526**. All registrations received by November 23 will be confirmed via e-mail.

REGISTRATION FEE

The full Symposium & Workshop registration fee (**\$415 through November 23; \$465 after November 23**) includes admission to the Plenary Session; all technical sessions; exhibit hall; receptions; continental breakfasts; and lunches. Registration materials will include the final program agenda and a program guide containing abstracts of all Symposium & Workshop technical, poster, and booth presentations. Speaker presentations and a final list of attendees will be made available to participants after the event. **A student fee (\$125) and a one-day registration fee (\$195 through November 23; \$215 after November 23) are also available.**

Note: Advance registration is available through November 23. Registrations received after November 23 will be processed at the on-site rate of \$465 for full registration and \$215 for one-day registration.

LIST OF ATTENDEES

A list of pre-registered attendees will be available upon check-in at the Symposium & Workshop. To be included in this listing, you must register no later than Friday, November 23. To receive the final attendee list as well as the speaker presentations following the Symposium, you must include your e-mail address on your registration form.

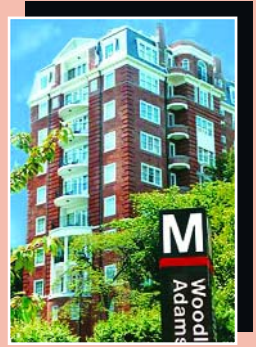


WHO SHOULD ATTEND

With approximately 1,000 participants last year, this annual event is a nationally recognized technical Symposium & Workshop focusing on priority environmental issues.

Attendees represent:

- the military Services
- academic and research institutions
- private sector technology and environmental firms
- federal, state, and local regulatory/policymaking organizations



EXHIBITS

The Symposium & Workshop will feature more than 400 posters, half of which will exhibit on Tuesday and the other half on Wednesday. A select group of booths offering information about funding opportunities in related research programs also will be on display both days. The informal one-on-one format of the posters and booths provides a unique opportunity to network with colleagues and gather information on topics important to you. Exhibitors will be available to talk with you and answer your questions during scheduled exhibit times.

If you are unable to participate in the technical sessions but would like to tour the exhibits, you may do so free of charge on Tuesday, December 4 or Wednesday, December 5 between the hours of 12:30 and 4:00 p.m. Presenters will be on hand from 12:30–1:45 p.m. In order to have an entrance badge ready for you, please fill out and submit a registration form prior to the registration deadline.

HOTEL RESERVATIONS

A block of rooms for Symposium & Workshop participants has been set aside at the prevailing government per diem rate. To make reservations, please contact the hotel directly and identify yourself as a “Partners in Environmental Technology” Symposium & Workshop attendee (code “PETPETA”). **To receive this special rate, hotel reservations must be made no later than Monday, November 5, 2007. You are encouraged to make your reservations early, as the hotel will sell out of rooms.**

Marriott Wardman Park Hotel

2660 Woodley Road, NW

Washington, DC 20008

Phone: (202) 328-2900 or

(800) 228-9290

Web Site: <http://cwp.marriott.com/wasdt/partnersinenvirotech>

Rate: \$188 (plus tax) or prevailing government rate

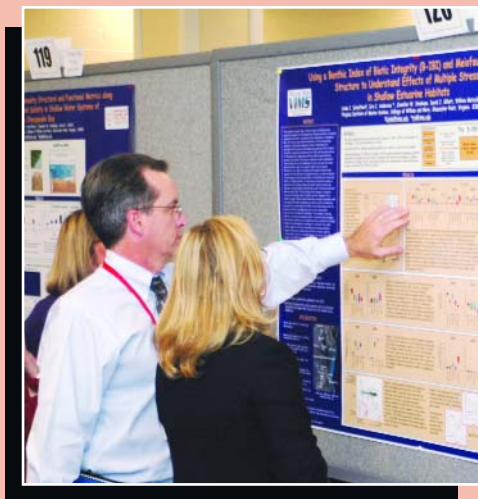
All hotel changes and cancellations must be made directly with the hotel. It is the responsibility of each participant to **make changes or cancellations no later than 7 days prior to scheduled arrival.** Rooms generally are not available for check-in until 3:00 p.m. on the day of arrival.

Special Note to Army Participants

A non-availability number is not required for conferences held in Washington, D.C.

TRAVEL

The Washington, D.C., metropolitan area is served by three major airports (Ronald Reagan Washington National, Washington Dulles International, and Baltimore-Washington International) and by Amtrak. Ronald Reagan Washington National Airport is the closest airport to the hotel. The efficient Metrorail system is a convenient mode of transportation from Ronald Reagan Washington National Airport and for local attendees. The hotel is located one block from the Woodley Park-Zoo/Adams Morgan Metro Station (on the Red Line).





GENERAL SYMPOSIUM INFORMATION

PARKING

Self-parking is available at the hotel for approximately \$25 per day and/or overnight. Valet parking is available at the hotel for approximately \$30 per day and/or overnight.

CANCELLATIONS & SUBSTITUTIONS

All requests for refunds must be received in writing no later than Friday, November 23. The registration fee minus a \$25 processing charge will be refunded. No refunds will be made after November 23. However, if you must cancel after this date, you may send a substitute.

INQUIRIES

For additional information, please visit www.serdp-estcp.org/symposium, e-mail partners@hgl.com, or call our **contact line** at **(703) 736-4548**.

Specific questions about **registration** may be directed to **Ms. Jen Rusk** at **(703) 326-7801** or via e-mail to jrusk@hgl.com.

Poster and booth questions may be directed to **Ms. Lucia Valentino** at **(703) 736-4549** or via e-mail to lvalentino@hgl.com.

NOTE: The Call for Poster Abstracts deadline was July 31, 2007.

IMPORTANT REGISTRATION REMINDERS

- Registrations received by November 23 will be confirmed and will be processed at the advance rate. Registrations received after November 23 will be processed at the on-site rate.
- To avoid delays in registration, please submit one completed form for each attendee.
- For your convenience, if you are paying with a credit card, you may register online or by fax. (To avoid duplicate charges, do not mail an original after faxing or registering online.)
- If you are paying by check or purchase order, please mail the registration form with your payment.

HERE'S WHAT OUR ATTENDEES SAID ABOUT LAST YEAR'S SYMPOSIUM & WORKSHOP...

“This Symposium gets better each year.”

“I think your conscious promotion of interagency collaborations and coordination is reflected in the sense of camaraderie we enjoy at this Symposium.”

“A very informative event providing an opportunity to understand the interface between the military and conservation communities.”

“I was expecting to hear and see exciting new work and ideas in the remediation field—and I wasn't disappointed.”

“This Symposium should be used as the template for all other Symposiums.”



REASONS TO ATTEND

- Unparalleled Networking Opportunities
- Approximately 1,000 Environmental Professionals in Attendance
- Twelve Technical Sessions Offering the Latest in Environmental Research Results and Technical Innovations
- Information About World-Class Research and Demonstrations Being Conducted on Persistent Environmental Challenges
- More than 400 Posters Supporting the Technical Program Theme
- Booths Offering Information About Funding Opportunities in Related Research Programs

Register Now!
November 23rd
is the Deadline
for Advance
Registration

SYMPOSIUM REGISTRATION FORM

(Please type or print clearly)

Mr. Ms. Mrs. Dr. Military Rank _____

Name _____ Title _____

Company/Organization _____

Mailing Address _____

City _____ State/Province _____ Zip/Postal Code _____

Country _____ Telephone _____

E-Mail _____

Preferred Name for Badge _____

Is this the first time that you will be attending our Symposium & Workshop? Yes No

How did you first learn about this Symposium & Workshop?

- This mailing Another meeting (please specify) _____
 The SERDP or ESTCP web site Colleague
 The SERDP/ESTCP Information Bulletin Other (please specify) _____

Type of Organization (check one)

- Government Employee Industry/Contractor Academia Press

Type of Registration (check as many as apply)

- Attendee Session Chair Poster Presenter Tuesday Exhibit Tour Only
 Technical Speaker Keynote Speaker Booth Presenter Wednesday Exhibit Tour Only

Have you made your hotel reservations? Yes No Not Applicable

If you have a special need that requires assistance, check here and we will contact you.

Registering is easy...

ONLINE

www.serdp-estcp.org/symposium

MAIL

HydroGeoLogic, Inc.
SERDP/ESTCP Registrar
11107 Sunset Hills Road, Suite 400
Reston, Virginia 20190

FAX

SERDP/ESTCP Support Office
(703) 478-0526

Will you attend the DNAPL Short Course on Thursday afternoon? Yes No

Will you attend the Military Ranges Short Course on Thursday afternoon? Yes No

Registration Fee: (check one)

Check, credit card, or purchase order information must accompany your registration.

- Full Advance Registration (\$415) One-Day Advance Registration (\$195) Student Registration (\$125)
_____ Tues _____ Wed _____ Thur (Student ID required)

Method of payment (check one)

- Check # _____

(Checks must be drawn on a U.S. bank and payable in U.S. funds to **HydroGeoLogic, Inc.**, Federal ID # 54-1404852.)

- Purchase order or DD Form 1556 (Make payable to **HydroGeoLogic, Inc.**)

Please charge my Visa Mastercard American Express Discover

(**Note:** HydroGeoLogic, Inc. will appear as the "payee" on your credit card statement.)

Account # _____ Exp. Date _____

Name Imprinted on Card _____

Cardholder Billing Address (including zip code), if different from above _____

Signature _____

PARTNERS IN ENVIRONMENTAL TECHNOLOGY TECHNICAL SYMPOSIUM & WORKSHOP

Marriott Wardman Park Hotel • Washington, D.C.

December 4–6, 2007

SCHEDULE AT A GLANCE

MONDAY, DECEMBER 3	WEDNESDAY, DECEMBER 5	THURSDAY, DECEMBER 6
<p>3:00–6:00 p.m. Registration Desk Open</p>	<p>7:30–8:30 a.m. Continental Breakfast Exhibits Open (Poster Group 2)</p>	<p>7:30–8:30 a.m. Continental Breakfast</p>
<p>TUESDAY, DECEMBER 4</p>	<p>8:30–11:45 a.m. Morning Concurrent Technical Sessions</p>	<p>8:30–11:45 a.m. Morning Concurrent Technical Sessions</p>
<p>7:30 a.m. Registration Desk Opens for Remainder of Symposium</p>	<p>11:45 a.m.–1:00 p.m. Buffet Lunch</p>	<p>Noon–1:00 p.m. SERDP/ESTCP Funding Opportunities Briefing/Q&A</p>
<p>7:30–8:45 a.m. Continental Breakfast Exhibits Open (Poster Group 1)</p>	<p>12:30–1:45 p.m. Exhibits Open (Poster Group 2)</p>	<p>1:30 p.m.–5:30 p.m. DNAPL Short Course</p>
<p>9:00–11:30 a.m. Plenary Session</p>	<p>1:45–5:00 p.m. Afternoon Concurrent Technical Sessions</p>	
<p>11:45 a.m.–1:00 p.m. Buffet Lunch</p>	<p>5:00–6:30 p.m. Reception Exhibits Open (Poster Group 2)</p>	
<p>12:30–1:45 p.m. Exhibits Open (Poster Group 1)</p>		
<p>1:45–5:00 p.m. Afternoon Concurrent Technical Sessions</p>		
<p>5:00–6:30 p.m. Reception Exhibits Open (Poster Group 1)</p>		

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