



HEADLINES

SPECIAL EDITION

DoD's Environmental Research Programs

INSIDE THIS ISSUE

Register Now for the 2018 SERDP and ESTCP Symposium

Lieutenant General Jeffrey Talley and Richard Rhodes Highlight 2018 Plenary Session

Technical Sessions on DoD's Priority Environmental and Installation Energy Issues

Continuing Education Opportunities through In-Depth Short Courses

Exhibit Hall Showcasing Wide Range of Technical Posters

New Events at the 2018 SERDP and ESTCP Symposium

REGISTER NOW FOR THE 2018 SERDP AND ESTCP SYMPOSIUM

The 2018 Strategic Environmental Research and Development Program (SERDP) and Environmental Security Technology Certification Program (ESTCP) Symposium will be held from November 27-29, 2018, at the Washington Hilton Hotel in Washington, D.C. As in years' past, the 2018 Symposium will be centered on technical sessions that span the wide spectrum of SERDP and ESTCP investments. The technical sessions will be complemented by two poster sessions that highlight SERDP- and ESTCP- funded efforts along with the relevant work of others in the community. As in previous years, a number of short courses will be offered that provide attendees the opportunity to dive deeper into different topics and earn continuing education credits. There will be many opportunities for networking and collaboration with the nearly 1,000 attendees from the Department of Defense (DoD), industry, and academia.



The articles below highlight the important details of the Symposium's major components. We believe the Symposium to be an interesting and productive event and hope you will consider attending. Please visit the [Symposium website](#) for more information and to register.

LIEUTENANT GENERAL JEFFREY TALLEY AND RICHARD RHODES HIGHLIGHT 2018 PLENARY SESSION

The plenary session at the 2018 Symposium will feature compelling speakers whose talks will help set the tone for the meeting. Speakers confirmed to date include Vice President, IBM Global Markets, Lieutenant General (Retired) Jeffrey W. Talley and Pulitzer Prize winning author and historian, Richard Rhodes. Lt. Gen. Talley has over 36 years of global experiences in large-scale organizational leadership, global geopolitics, data/analytics and technology, and the environment. His current work emphasizes the integration of engineering, business, and public policy for holistic applications through public and private partnerships. Mr. Rhodes is the recipient of numerous literary awards and honors for his works, which span a wide range of topics. His talk at the 2018 Symposium will focus on his recent book entitled Energy: A Human History. SERDP and ESTCP will also announce the 2018 Project of the Year award winners at the conclusion of the plenary session. [MORE](#)

TECHNICAL SESSIONS ON DOD'S PRIORITY ENVIRONMENTAL AND INSTALLATION ENERGY ISSUES

Sixteen technical sessions will highlight research and innovative technologies that improve the DoD's environmental performance, reduce costs, and enhance mission capabilities. Sessions will cover critical topics related to the five SERDP and ESTCP Program Areas. One important topic addressed in the technical sessions will be

maintaining the availability of DoD training lands through management of wildland fires and threatened and endangered species. Other sessions will focus on alleviating the burden of DoD's past liabilities through remediation of areas contaminated with per- and polyfluoroalkyl substances and unexploded ordnance. Attendees will also be able to learn about a wide range of topics from the development of green energetic materials to improved energy security.

This year's Symposium will also feature some exciting new sessions on topics that have not been covered at previous meetings. There will be a two-part session on installation resilience that combines elements of both resource conservation and installation energy. There will also be a session focused on environmental issues faced by DoD while operating outside of the United States. Each session consists of five to six speakers and allows time for audience questions and discussion. For a full list of the technical session topics and speakers confirmed to date, please visit the [Symposium website](#). The website will be updated regularly as additional speakers are confirmed.

CONTINUING EDUCATION OPPORTUNITIES THROUGH IN-DEPTH SHORT COURSES

Short courses at the 2018 Symposium will offer unique training opportunities on recent advancements in select technologies and alternative approaches specific to each of the five program areas. Each course will have a small number of highly qualified instructors who will dive deeply into the topic giving attendees valuable and practical insight. Attendees will have the opportunity to learn about management tools aimed at informing decisions made by DoD land managers in areas such as sea level change and wildland fires. Other courses will provide insight into how to capture life cycle impacts and costs assessments and understand the requirements associated with the DoD Risk Management Framework; both of which are critical to executing ESTCP demonstrations on topics related to materials replacement and installation energy.

Attendance for the short courses will be limited, and advanced registration for each short course is required. The cost to attend is \$20 per course. Anyone interested in signing up for a short course should do so as part of registering for the Symposium. Short course attendees will be able to self-report continuing education credits for a number of different professional certifications. A full list of short courses can be found on the [Symposium website](#). The website will be updated as short course information is finalized.

EXHIBIT HALL SHOWCASING WIDE RANGE OF TECHNICAL POSTERS

Over 450 technical posters and exhibit booths will be on display as part of separate sessions on Tuesday and Wednesday of the 2018 Symposium. Each of the sessions will be comprised of a separate group of posters that complement the technical sessions from that day. Attendees will learn more about the wide range of research and demonstration projects that are funded by SERDP and ESTCP in addition to other interesting efforts related to environmental and installation energy issues. A new feature of the poster session this year will be a panel discussion on "Technology Transfer Lessons Learned." This panel discussion, held in conjunction with the Wednesday evening poster session, will feature individuals from a variety of backgrounds who have had success in transitioning different technologies. Panelists will discuss their successful efforts as well as lessons learned. The poster sessions will conclude each day with a networking reception. Information on the poster sessions is available on the [Symposium website](#). A list of presenters will be posted on this page closer to the meeting.

STRATEGIC ENVIRONMENTAL
RESEARCH AND DEVELOPMENT
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NEW EVENTS AT THE 2018 SERDP AND ESTCP SYMPOSIUM

The 2018 Symposium will include several special sessions held throughout the event. The first is a session on “Funding Opportunities: How to Partner with SERDP & ESTCP.” In this session, the SERDP and ESTCP Director, Deputy Director, and Program Managers will focus on how to partner with SERDP or ESTCP in a research or demonstration project. This session will provide insight into the SERDP and ESTCP funding process and how to write competitive proposals. This session is free to attend but registration is required. The second special session will be a “Student Lunch with the Director.” This session, hosted by the SERDP and ESTCP Director, will provide students with information on working in government research and development and tips on how to successfully compete for research and development funding. Specific information on this session will be provided directly to attendees who have registered as a student. The final special session will be a question and answer session with the developers of the SERDP and ESTCP Management System (SEMS). Any user of SEMS is welcome to come and have questions answered by the experts. [MORE](#)