



The

UXO/Countermine Forum

DoD's Preeminent Conference
on Technology, Programs & Partnerships

CONFERENCE ANNOUNCEMENT

April 9 - 12, 2001

New Orleans Marriott
in the French Quarter

*Meeting
Transformation
Challenges*

MEETING TRANSFORMATION CHALLENGES

The Department of Defense Explosives Safety Board (DDESB), the United States Army Environmental Center (USAEC), and the Office of the Project Manager for Mines, Countermine & Demolitions cordially invite you to attend The UXO/Countermine Forum 2001. Join hundreds of professionals from throughout the world to:

- Investigate compelling industry issues
- Identify the challenges
- Explore the benefits of meeting transformation challenges

While the environment and circumstances of use and actual user may vary greatly among these mission areas, they share a common goal: the elimination of explosive hazard to people and facilities. The UXO/Countermine arena includes:

Explosive Ordnance Disposal
Countermine
Humanitarian Demining
Clearance
Location & Mapping
Individual & Vehicle Protection
Active Range Clearance

Testing of Systems & Technology
Environmental Security
Regulations & Policy
Human Factors Engineering
Cast Studies & Lessons Learned
Detection
International Issues

Risk Assessment
Site Management
Littoral Issues
Robotics & Tele-Operation
Disposal
Wide Area Detection

CONFERENCE FEATURES

Outdoor Exhibits – See the latest equipment up close and in action Tuesday afternoon, April 10, 4:30 – 6 p.m. This is a terrific opportunity to get more business exposure and develop business opportunity at no additional charge.

Global Center – To support our increasing number of international guests, the global center will assist international attendees and exhibitors with special conference needs. Sponsored by BRTRC, Incorporated.

E-Station – Stop by the E-station for a quick check of your e-mail. Sponsored by Booz-Allen & Hamilton, Inc.

Opening Reception – On Tuesday evening, April 10, don't miss the opportunity to socialize and network down on the Bayou and enjoy some of the most mouth-watering treats New Orleans has to offer.

Sports Bar – Back by popular demand. Join your peers on Monday afternoon, April 9, with the exhibitors as we fire up the Sports Bar. Invited guests include the speakers from the plenary session, all exhibitors, and conference attendees.

Hospitality Desk – Be sure to visit the Convention Hospitality Services Desk near the registration counter. Knowledgeable personnel will be available to make dinner reservations and answer questions about the city.

PRE-CONFERENCE WORKSHOP

As a new feature of this year's Forum, there will be a 2-hour pre-conference workshop. This informative session will provide an overview of the way DoD does business in the UXO Detection and Clearance arena, including Active Range Clearance, Countermine, Explosive Ordnance Disposal, Humanitarian Demining, and UXO Environmental Remediation. The workshop will identify the agencies and key personnel who manage the various levels of research and development programs, acquisition programs, and the procurement of systems and services. Many of the technologies can be shared among more than one of the mission areas. The workshop will have a managerial and business orientation, not a technical one. It is designed for industry newcomers and commercial and public agency representatives who want to learn more about the mission areas, who the players are throughout DoD, and what the government-sponsored commercial opportunities are for the next two years. The workshop will be Monday, April 9, from 9:30 to 11:30 a.m. It is open to registered conference attendees and exhibitors. Preregistration is required for the workshop. The registration form is on page 10.



Dr. Kenneth Oscar
Acting Assistant Secretary of the Army (Acquisition, Logistics and Technology)

service from United Aircraft. He holds a B.S. in Physics from Clarkson University, as well as an M.S. and Ph.D. in Physics from American University. He is a member of numerous professional societies, including the New York and Virginia Academies of Sciences. He has published more than 55 papers; many in international scientific journals. His awards include two Presidential Rank Awards, The Vice President Hammer Award, Department of Defense Packard Award, Excellence in Acquisition Award, Department of the Army Decorations for Exceptional Civilian Service, three Meritorious Civilian Service Awards, two Commander's Awards for Civilian Service, the Superior Civilian Service Award, the Achievement Medal for Civilian Service, and Sigma Xi's Scientific Achievement Award.

FEATURED SPEAKER

Dr. Oscar was appointed the Acting Assistant Secretary of the Army (Acquisition, Logistics and Technology) on January 21, 2001. He previously served as the Acting Administrator for the Office of Federal Procurement Policy, OMB, Executive Office of the President from June 2000 to January 2001. Dr. Oscar has served in numerous other Army positions including Deputy Assistant Secretary of the Army for Procurement, Acting Assistant Secretary of the Army (Research, Development and Acquisition), Principal Deputy for Acquisition at Army Materiel Command, Deputy Commander for Research, Development and Engineering of U.S. Army Tank-automotive Command (TACOM), Director of TACOM's Research, Development and Engineering Center (TARDEC) and TACOM's Deputy Commander for Procurement and Readiness. As TARDEC's Director, Dr. Oscar led the center to be the Army's first winner of the Federal Quality Institute's Quality Improvement Prototype Award. He also established the National Automotive Center, TARDEC University, and the Michigan Automotive Institute. Under his leadership, TARDEC created the virtual prototyping process, fielding the Army's first digital vehicle (the Abrams M1A2 tank). He has also served as Associate Technical Director for Research and Development at the U.S. Army Troop Support Command, Director of the Combat Engineering Laboratory at the Belvoir Research and Development Center and Project Manager for several programs, including countermine equipment, tactical bridging and unconventional weapons. Dr. Oscar entered government

PLENARY SESSION SPEAKERS



Robert L. Van Antwerp, Jr.
Major General
United States Army

Major General Robert L. Van Antwerp, Jr., Assistant Chief of Staff for Installation Management, will speak on **“Facilities Management for ‘An Army of One.’”** Major General Van Antwerp’s military career began in 1972 and includes command and staff assignments with the U.S. Army Corps of Engineers, combat engineer units in the United States and the Persian Gulf, and the Joint Staff. His assignments include: Commander and Division Engineer of the South Atlantic Division; Executive Assistant to the Vice Chairman, Joint Chiefs of Staff; Chief of Staff for the Army Corps of Engineers; and Commander and District Engineer of the Los Angeles District, leading the Corps’ recovery efforts for the Northridge Earthquake of 1994. He commanded the 326th Engineer Battalion of the 101st Airborne Division (Air Assault) during DESERT SHIELD/STORM, and served as the Chief of Military Construction, U.S. Army Western Command, Fort Shafter, HI, and as the Executive to the Chief of Engineers. He taught mechanical engineering for three years as an instructor and associate professor at West Point. Prior to his present assignment, he was Director of Competitive Sourcing, Office of the Assistant Secretary of the Army (Research, Development and Acquisition).

He is a graduate of the U.S. Military Academy and holds a Master of Science degree in mechanical engineering from the University of Michigan and a Master of Business Administration degree from Long Island University, NY. He has completed Ranger, Airborne, and Air Assault training; the Engineer officer basic and advance courses, Command and General Staff College and the Army War College. He is a Registered Professional Engineer in Virginia. His awards include the Defense Superior Service Medal, the Legion of Merit, Bronze Star Medal, and the Meritorious Service Medal.

Major General Anders B. Aadland, United States Army, will speak on **“Countermines’ Importance in a Transforming Army.”** As Commanding General of the U.S. Army Maneuver Support Center and Fort Leonard Wood, and Commandant of the U.S. Army Engineer School, Major General Aadland is responsible for providing the Army with well-trained soldiers and leaders of all ranks who attend initial entry training up through battalion and brigade pre-command courses. He also directs the formation of Army Engineer doctrine, force structure, battlefield tactics, training, and materiel development. In addition he oversees the training of airmen, sailors and Marines attending courses for civil and construction engineering; law enforcement; chemical, biological and radiological defense; and motor transport operators.

General Aadland was born in Minneapolis, Minnesota, and spent his boyhood in Absarokee, Montana. He was commissioned in the Corps of Engineers through Engineer Officer Candidate School, Fort Belvoir, Virginia. He holds a bachelor’s degree from Pacific Lutheran University and a master’s degree from the Florida Institute of Technology. His military education includes the Engineer Officer Advanced Course; Mapping, Charting and Geodesy Officer Course; Logistics Executive Development Course; and Command and General Staff College. He is a distinguished graduate of the Industrial College of the Armed Forces.

General Aadland served as the Deputy Chief of Staff, Engineer, HQ USAREUR, Chief of Staff, and Deputy Commanding General, U.S. Army Engineer Center, Fort Leonard Wood, Missouri; and Commander, 2d Armored Division Engineer Brigade and 17th Engineer Battalion, 2 AD. General Aadland’s awards include the Legion of Merit (3OLC), Meritorious Service Medal (7OLC), and the Army Commendation Medal (2OLC). General Aadland was the 1992 recipient of the Chairman, Joint Chiefs of Staff Award for Mobilization Research.



Anders B. Aadland
Major General
United States Army



William A. Whitlow
Major General
Director, Expeditionary Warfare
Division (OPNAV N75)

Major General William A. Whitlow, Director, Expeditionary Warfare Division (OPNAV N75), will speak on **“Operational Maneuver from the Sea: Countermines Requirements and Challenges.”**

General Whitlow was born in Yokohama, Japan, and reared in Kentucky. He received a Bachelor of Arts in Education, Master of Arts in Procurement Management, Master of Arts in International Affairs, and Master of Arts in National Security and Strategic Studies from the Naval War College. He was also a MIT Fellow in Foreign Politics and the National Interest. He attended Naval Flight Officer training and was designated a Naval Aviator. He was also assigned to the 2nd Marine Aircraft Wing, the 2nd Marine Division, the 1st Marine Aircraft Wing, and the Amphibious Warfare School. He graduated from the Command and Staff College and the Naval War College. General Whitlow served joint duty with the Department of State; with the Marine Expeditionary Force as the Commanding Officer of the 15th Marine Expeditionary Unit; as Assistant Wing Commander, 3rd Marine Aircraft Wing; and recently as Director, Public Affairs. General Whitlow’s military decorations include the Defense Superior Service Medal, Legion of Merit, and the Meritorious Service Medal with gold stars in lieu of second and third award.

Mr. Robert C. Doheny received a Bachelor of Science Degree in General Engineering from the United States Military Academy, West Point, New York, and a Master of Science Degree in Industrial Engineering and Operations Research Systems-Statistical Analysis from the University of Illinois. He completed more than 25 years active service in the Army concentrating on requirements and resource analysis and research, development, and acquisition. In addition to his stateside assignments, he has served overseas in Vietnam and Korea. As a certified Military Acquisition Manager, he worked on special programs, and served as the Assistant Project Manager for Vulnerability and Survivability. As a Team Chief in the Joint U. S. Military Assistance Group in the Republic of Korea, Mr. Doheny developed country team and national policy positions and negotiated specific agreements on technology transfer and sensitive acquisition issues. Mr. Doheny became the first research, development, and acquisition staff officer for the Joint Special Operations Agency, Office of the Joint Chiefs of Staff. In 1987, Mr. Doheny became a charter member of the Office of the Assistant Secretary of Defense for Special Operations and Low-Intensity Conflict (ASD(SO/LIC)).

In 1992, Mr. Doheny was appointed the Director for Acquisition. In 1998, he was appointed the Director for Requirements, Technology, and Acquisition with responsibility for assessing capabilities and requirements in the SO/LIC arena, directing technology development programs, and overseeing the strategic planning, resource, and material acquisition processes. In 1999, Mr. Doheny was appointed the Director for Program, Resources, and Assessments, and then the Principal Director, Special Operations Policy and Support. Mr. Doheny will speak on **“Merging Technology and Requirements – A JUXOCOE Assessment.”**



Robert C. Doheny
Principal Director, Special
Operations Policy and Support,
Assistant Secretary of Defense
for Special Operations and
Low-Intensity Conflict

GENERAL INFORMATION

LOCATION

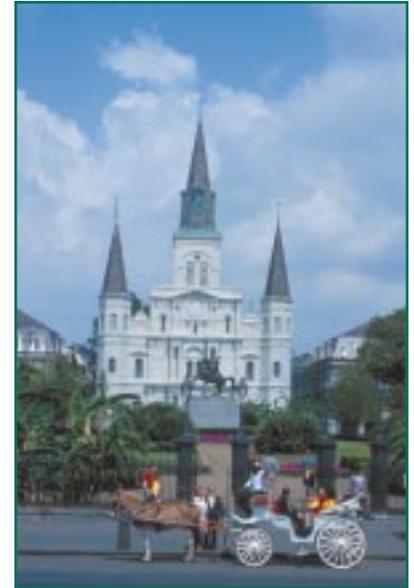
New Orleans offers travelers a unique urban adventure featuring a diversity of architecture, culture, and cuisine. You're sure to discover the cutting edge of art and music emerging from—and blending with—the cozy courtyards, smoky jazz clubs, horse-drawn carriages, and balmy afternoons that are sure to make New Orleans one of the most fascinating cities you've ever visited. You'll experience an array of sights, sounds, and tastes guaranteed to enchant you. Discover the history and lore of plantation life in the Mississippi River delta; take a cypress swamp tour or a cruise on New Orleans' only authentic steamboat, the Natchez; visit Audubon Zoo Swamp or the National D-Day Museum—the only museum of its kind in the country. Whatever attractions you decide to visit, the principal activity of any trip to New Orleans should be to taste, feel, listen, and live in the cultural melange of this incredibly diverse city.

HOTEL INFORMATION

Located in the historic French Quarter on the corner of Canal and Chartres Streets, the New Orleans Marriott is the essence of life in The Big Easy. Winner of the prestigious Gold Platter award, the hotel is only 30 minutes from New Orleans International Airport.

Make your reservations now. The incredibly low conference rates will be available only until March 14. The Government rate is based on the Federal per diem for New Orleans and is only \$139 single/double. The discounted commercial rate is \$154/single and \$169/double. Discounted room upgrades are also available. Room rates are subject to local taxes. All reservations require a credit card guarantee or a deposit of the first night's room and tax which is nonrefundable if canceled within 10 days of the arrival date.

The Marriott world-wide reservation number is 1-800-228-9290, and the New Orleans Marriott number is 504-581-1000. Be sure to ask for The UXO/Counterline Forum 2001 room block when you call. Proof of government employment is required at check-in.



Jackson Square



Café Du Monde

TRANSPORTATION

Ground transportation is plentiful and easily accessible in New Orleans. There are taxi cabs and trolleys at every corner and the hotel is located in the French Quarter—restaurants and sites of interest are within walking distance. Airport Shuttle provides service to and from the airport for \$10 one way or \$20 round trip; they run 24 hours a day, every 10-15 minutes. Taxi fare is about \$24 one way. Rental cars should be avoided since parking space within the city is limited and expensive.

REGISTRATION INFORMATION

Registration information is included on the registration forms in this brochure. Participants who register after March 16 will pay \$375 government and \$475 commercial. Exhibitor registration is \$1125 government and \$1325 commercial.

Conference registration includes admission to the conference, all conference materials, 3 continental breakfasts, 4 lunches, morning and afternoon breaks; Monday afternoon's Sports Bar; Tuesday evening's reception; free access to E-station; and a copy of the conference proceedings on CD ROM. Exhibit registration includes one conference admission. Booth personnel must be registered as conference attendees.

Payment options include check or money order made payable to Tennessee Valley Authority; MasterCard; or Visa. When using a credit card, please include card number, holder's name, and expiration date on the registration form. When paying by check, please include the tax payer ID number for the company check or your Social Security number when paying by personal check.

CANCELLATIONS

Sometimes, it is necessary to cancel a registration. The following policy addresses cancellations for conference attendees and exhibitors:

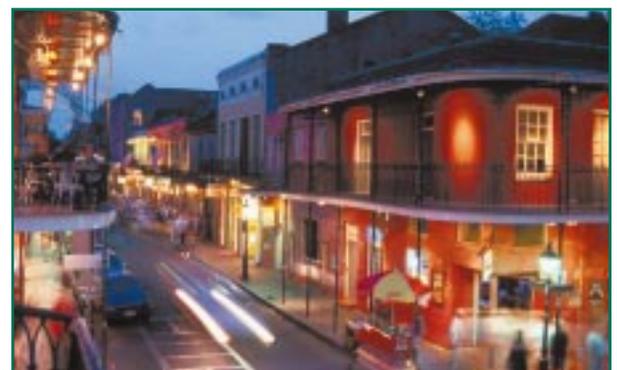
Conference Attendee

- Full refund with written notification received by March 16 at 5 p.m. Eastern time.
- 50% refund with written notification received by April 2 at 5 p.m. Eastern time.
- No refund after April 6 at 5 p.m. Substitutions are acceptable.

Exhibitor

- No refund after February 2.

Please send your cancellation request by fax or e-mail to Charlotte Galyon at 865-632-4118/TheForum@tva.gov.



The French Quarter

PRELIMINARY PROGRAM

SUNDAY, APRIL 8	1 – 5 p.m. 1 – 4 p.m.	Early Bird Exhibitor Registraton Early Bird Exhibitor Setup	Acadia Foyer Acadia & Salons D-H
	8 a.m. – 12 Noon	Exhibitor Registration and Setup	Acadia Foyer Acadia & Salons D-H
MONDAY, APRIL 9	9:30 – 11:30 a.m. 12 Noon – 1:30 p.m. 1:30 – 2:30 p.m.	Pre-Conference Workshop Welcome Luncheon Plenary Session – MG Robert L. Van Antwerp, Jr.; MG Anders B. Aadland	Galleries 1-3 Bissonet/Carondelet Bissonet/Carondelet
	2:30-2:45 2:45-4:15 4:30 – 5:15 p.m.	Break MG William W. Whitlow; Robert C. Doheny; Colin King, Jane’s Sports Bar	Bissonet/Carondelet Acadia & Salons D-H
	7:00 a.m. – 6:30 p.m. 7:15 – 7:55 a.m. 8 – 10 a.m.	Conference Registration Continental Breakfast Session 1 – Explosive Ordnance Disposal Session 2 – Active Range Clearance Session 3 – Case Studies and Lessons Learned Session 4 – Humanitarian Demining	Acadia Foyer Acadia & Salons D-H Balconies L-N Balconies I-K Galerie 2 Galerie 3
	10 – 10:20 a.m. 10:20 a.m. – 12 Noon	Break Session 5 – Testing of Systems & Technologies Session 6 – Regulations & Policy Session 7 - Countermine Session 8 - Detection	Acadia & Salons D-H Balconies L-N Balconies I-K Galerie 2 Galerie 3
TUESDAY, APRIL 10	12:00 Noon – 1:30 p.m.	Lunch – Dr. Nick Mueller, National D-Day Museum; LTC Christopher M. Ross, Product Manager for Non-Stockpile Chemical Materiel	Bissonet/Carondelet
	1:30 – 2:45 p.m.	Session 9 – Humanitarian Demining Session 10 – Site Management Session 11 – Active Range Clearance Session 12 – Wide Area Detection	Balconies L-N Balconies I-K Galerie 2 Galerie 3
	2:45 – 3 p.m. 3 p.m. – 4:30 p.m.	Break Session 13 - Environmental Security Program Review Session 14 - Clearance Session 15 – Detection Session 16 – Environmental Security	Acadia & Salons D-H Balconies L-N Balconies I-K Galerie 2 Galerie 3
	4:30 – 6:00 p.m. 6:30 – 8 p.m.	Outdoor Exhibition Exhibit Reception	Acadia & Salons D-H
	7:00 a.m. – 6:30 p.m. 7:15 – 7:55 a.m. 8 – 10 a.m.	Conference Registration Continental Breakfast Session 17 – Site & Risk Management Session 18 – Detection Session 19 – Disposal Session 20 – Location & Mapping	Acadia Foyer Acadia & Salons D-H Balconies L-N Balconies I-K Galerie 2 Galerie 3
WEDNESDAY, APRIL 11	10 – 10:20 a.m. 10:20 a.m. – 12 Noon	Break Session 21 – Non-DoD Federal Land Manager’s Panel Session 22 – Environmental Security Session 23 – Countermine Session 24 – Detection Session 25 – Case Studies & Lessons Learned	Acadia & Salons D-H Galerie 2 Balconies L-N Balconies I-K Galerie 3 Galerie 1
	12 Noon – 1:30 p.m.	Lunch – Featured Speaker – Dr. Kenneth Oscar, Acting Assistant Secretary of the Army for Aquisition, Logistics & Technology	Bissonet/Carondelet
	1:30 – 2:45 p.m.	Session 26 – Humanitarian Demining Session 27 – Testing of Systems & Technology Session 28 – Disposal Session 29 – Clearance	Balconies L-N Balconies I-K Galerie 2 Galerie 3
	3 – 4:15 p.m.	Session 30 – Location & Mapping Session 31 – Range Response Update – Regulations, Policy, & Guidance Session 32 – Individual & Vehicle Protection Session 33 – Wide Area Detection Session 34 – Littoral Issues	Balconies L-N Balconies I-K Galerie 2 Galerie 3 Galerie 1
	7:15 – 7:55 a.m. 8 – 10 a.m.	Continental Breakfast Training Session DoD EPCRA Tri Reporting: Conventional Use & OB/OD Activities, Tri-DDS Overview Session 35 – Regulations & Policy Session 36 – Detection Session 37 – Case Studies & Lessons Learned Session 38 – Testing of Systems & Techology – Detection	Acadia & Salons D-H Galerie 1 Balconies L-N Balconies I-K Galerie 2 Galerie 3
THURSDAY, APRIL 12	10 – 10:20 a.m. 10:20 – 12:00 Noon	Break Tri-DDS Overview Training Session Resumes Session 39 – Detection – Signal Processing Session 40 – Detection – Ground Penetrating Radar Session 41 – Risk Management Session 42 – Environmental Security	Acadia & Salons D-H Galerie 1 Balconies L-N Balconies I-K Galerie 2 Galerie 3
	12 Noon – 1 p.m. 1 – 2:30 p.m.	Lunch COL John P. Selstrom, Jr., Director of DoD Environmental Cleanup Programs, Office of the Deputy Undersecretary of Defense for Environmental Security at the Pentagon; Robert Stevenson, Author, How to Soar Like an Eagle in a World Full of Turkeys ; Closing	Bissonet/Carondelet Bissonet/Carondelet

SESSION DETAILS

SESSION	ABSTRACT	PRESENTER	SESSION CHAIR
1	EOD Technology Overview Multiple Autonomous Robots for UXO Clearance, the BUGS Project Demonstration of Advanced Unexploded Ordnance Detection and Discrimination Tech. Disruption of Unexploded Ordnance	Chris O'Donnell Tuan Nguyen Hien Dinh Chris O'Donnell	Chris O'Donnell
2	Munitions Rule Implementation on Active US Army Ranges Air Force Active Range UXO Policies The Air Combat Command Approach to Range Residue Removal Estimating Costs for Military Active Range Clearance Waste Profiles for Range Residue (Scrap) Generated on Active US Army Ranges	Chad Webb MAJ Alan Holck MAJ Dan Skrobialowski Kent James Chad Webb	Tamera Clark-Rush
3	Kaho'Olawe Program Management and Technology A New Cleanup Paradigm: The "Local Management Approach" Massachusetts Military Reservation; Munitions Survey of Ranges at MMR: Phase 1 Results Discovery of Live GB Sarin Bombs at the Rocky Mountain Arsenal in Denver, CO Factor Analysis Model for the Clearing and Suspected Area Reduction by Conventional Humanitarian Demining Technology	James Putnam R.Keoni Fairbanks LTC Joseph Knott Jeff Edson Dr. Milan Bajic	Dr. Kurt O. Thomsen
4	The Efficacy of Current Landmine Protective Footwear: Change in Medical Outcomes A Model of Lower Extremity Morbidity Subjected to Antipersonnel Landmine Blasts Assessment of Foot Protection Against AP Landmines Using a Frangible Surrogate Leg Fracture Patterns Associated with Landmine Injuries and Protective Footwear Effectiveness of Personal Protective Ensembles for Use in Demining AP Landmines	Dr. Robert Harris Dr. Lanny Griffin Dr. D Bergeron Dr. Roman Hayda Mr. C. R. Bass	Hugh Carr
5	UXO Technology Standardized Demonstration Sites US Army Developmental Test Command Countermine Facilities A User-Oriented Assessment of 28 Metal Detectors for Humanitarian Demining: The International Pilot Project for Technology Cooperation Mission-Independent Test Sites for Signature Data Acquisition: Lessons Learned from the JUXOCO Pilot Site at Ft. A.P. Hill, VA	George Robitaille Dat Nguyen Dr. Denis Reidy John Moulton	Ken Hudson
6	Total Assessment Strategy Department of Army Unexploded Ordnance Public Education Program Sustainable Range Technology Requirements A Systems Approach to Range Sustainment	Carol Youkey Jerry Cummings Tom Gray Connie Samson	Scott Hill
7	Countermine Program Overview		COL W. E. Irish
8	UXO Center of Excellence Strategic Technology Roadmaps Feature-Based Discrimination of UXO/Clutter Using Broadband Electromagnetic Induction: Examples and Development of Empirical Formulas Determining Dimensionality of UXO Using Time Domain Electromagnetic Induction Effects of Positioning Error on Inverting EMI Data for UXO Discrimination using the MTADS Platform	Dennis Van Derlaske Dr. Dean Keiswetter & Jonathan Miller Leonard Pasion Bruce Barrow	Dr. Ernie Cespedes
9	Humanitarian Demining Overview Pursuing Partnerships in the International Forum: the International Pilot Project for Technology Cooperation		COL George Zahaczewsky Dr. Denis Reidy
10	Using Internet GIS to Manage OE Cleanup Program at the Former Ft. Ord Understanding and Integrating Conceptual Site Models for UXO Projects Range Clearance Optimization and Decision Support	Jeremy Gessaro Johnette Shockley Larry Deschaine	Dr. Leo D. Montroy
11	Autonomous Demining/Desensitizing Operations from Discovery to Disposal Field Test of a Mechanical Demining System on an Impact Area Laser Neutralization of Unexploded Ordnance in Active Range Clearance	Jennifer DuBurg David S. Frandsen Ernest Lorelli	Dr. Dave Heberlein
12	Fused Airborne Hyperspectral and Polarized SAR Data Improve Classification of Natural and Artificial Objectives Current Research into Airborne UXO Detection - Electromagnetics Direct Comparison of Airborne Geophysical Results to Land-Based Geophysical Results	Dr. Milan Bajic T. J. Gamey Philip Nixon	Hal Bertrand
13	ES Program Review Department of Defense UXO Report to Congress	Dr. Jeff Marqusee Robert Boyd	Dr. Jeff Marqusee
14	Practical Issues in Using Burning Mine Neutralizers Manual & Mechanical Mine Clearance in Southern Afghanistan Safe and Effective "In Situ" Neutralization of AP Mines without Explosives Robotic Gripper and Backhoe Attachments for UXO Clearance Operations	Noel Wright Abdul Sattar Chanan Ben-Dov John Wetzel	Jeff Purdy
15	The Ordnance Detection and Discrimination Study at Former Ft. Ord, CA Detection of Landmines in Multi-Spectral and Multi-Temporal IR Imagery Comparison of Two EM61 Configurations with Respect to Effect on Signal Quality Detection of Buried Chemical Weapons Material: A GPR Evaluation	Dr. Ted Asch Dr. Brian Baertlein Michael Mason Dr. David Lieblich	Dr. Leslie Collins
16	Aberdeen Proving Ground Standardized UXO Technology Demonstration Low Order Underwater Detonation Study Assessment, Demonstration, and Implementation of Innovative Technologies for UXO Detection at FUDS and BRAC Sites Development and Controlled Testing of a Seismic System for UXO Classification	Rurik Loder Andy Pedersen Dr. Bashar Alhajjar Peter Krumhansl	George Robitaille
17	The Adak Explosives Safety Hazard Assessment Methodology Measurement of Frost Heave on Adak Island, AK GIS and Data Management Site Characterization for Sites Containing Ordnance The Use of Limited Detonation for Level 2 Minefield Surveying: Technical, Reliability and Economic Issues	Dr. R. Marnicio Dr. William Rohrer Michael Anderson James Manthey Daniel Wolf	Dr. Femi Ayorinde
18	Comparison of Mine Detection Performance for Stand-Alone and Fused Sensors Novel Algorithms for Landmine Detection Using Acoustic Data Integration of Advanced Detection Technologies into the US Army GSTAMIDS Region-Based Time-Domain Processing of HSTAMIDS GPR Training for Operators of Handheld Detection Equipment: A Cognitive Engineering Approach	Dr. Brian Baertlein Dr. Paul Gader Terilee Hanshaw Dr. Paul Gader James Staszewski	Dr. Lawrence Carin
19	Non-Thermal Destruction of Propellant and Explosive Residues on OE Scrap 5X Decontamination Made Easier with Transportable Flashing Furnace Decon of Explosives - Contaminated Range Scrap Using Transportable Hot Gas Decon Contained Detonation System for Destroying UXO Containing Chemical Agents Controlled Detonation Chamber	Harley Heaton Evan Gabrielsen Deborah Fumari Dr. W. J. Mitchell Charles L. Twing	Chris O'Donnell
20	Identifying Potential UXO Sites without Conducting UXO Surveys Coordinate Accuracy and Precision of the USRADS Ultrasonic Method as Applied to Digital Geophysical Mapping Evaluation of Digital Geophysical Mapping Technologies for UXO Detection Ordnance Density Contouring Careful Timing is the Key to Sensor Location Precision	Greg Brewer Michael Mason Debra Edwards Dr. John Lovett Dr. H. H. Nelson	Atul Patel

SESSION DETAILS

SESSION	ABSTRACT	PRESENTER	SESSION CHAIR
21	Non-DoD Federal Land Managers Panel – John Seymour, Billy Umsted, Al Sedik, and Blake Velde		Dwight Hempel
22	Emissions Testing Program Exploding Ordnance Emissions Test Program Environmental Effects of Underwater Unexploded Ordnance Corrosion of Unexploded Ordnance in Soil	Tamera Clark-Rush Paul Klara Chip Johnson Dr. Bonnie Packer	Dr. J. Dauchy
23	Mongoose: Innovative Technologies Blended to Form the Countermine System of the Future Ground Standoff Mine Detection System (GSTAMIDS) Engineering, Manufacturing and Development (EMD) Block 0 Overview of UK Mined Area Detection Applied Research Programmes Mine Hunter/Killer System Performance Results	Dan Harris Bob Pressley Ian Burch Timothy Schweitzer	CPT T. Henthorn
24	Detection of Landmines and UXO by Sensing Ultra-Trace Concentrations of Chemical Signature Compounds Emanating from Devices Containing Nitroaromatic Explosives On the EMI Response of Multiple Closely-Spaced Targets Statistical Signal Processing with Physics-Based Models: Multi-Sensor UXO Detection and Identification Preliminary Testing of a Standoff UXO Detection System Using SDT Sensor Arrays	Mark Fisher Dr. Lawrence Carin Dr. Leslie Collins Dr. Richard Wold	Dr. Tom Broach
25	Site Characterization at Camp Bonneville Conceptual Site Model for OE/UXO Contaminated Sites Quality Assurance of UXO/OE Clearance Stakeholder Perceptions of the BRAC Transfer of ADAK: Through the Looking Glass	Joe Cudney Norrell Lantzer Jim Hersey Dr. William Rohrer	Craig Scott
26	Developing and Expanding Mine Awareness Programs - A Vietnam Experience The Necessity of Taking a Public Health Approach to Humanitarian Demining Severe Duty Vegetation Shredder	Roger Hess Daniel Wolf Chanan Ben-Dov	Dennis Van Derlaske
27	Ft. AP Hill UXO Test Site: GPR Background Survey Status of Buried UXO Detection and Discrimination Using EarthRadar at Ft AP Hill, VA Evaluation of Earthradar Testing at the JUXOCO Ft. AP Hill Pilot Site	Dr. David Lieblich Khosrow Bakhtar Chris O'Donnell	Kelly Sherbondy
28	Environmental Explosives Contamination Resulting from Munitions Use Pollutant Emission Factors for a Transportable Detonation System Study of Dud and Low Order Detonation Rates	D. Bruce Railey Dr. W. J. Mitchell Cliff Doyle	Dick Davis
29	A New Tool for UXO Neutralization Performance Characterization of LEXFOAM from Hand-Held Systems Can Currently Developed Deflagration Systems Neutralize Hard Case Mines?	Dr. William Schonberg Dr. Divyakant Patel Dr. Divyakant Patel	Dr. Paul Gader
30	A Toolbox Approach to Large Area Heterogeneous Site Characterization Fast TEM for UXO Mapping at Gambell, St. Lawrence Island, Alaska GIS AS Survey & Mapping Tool on a UXO Site	Dr. John Foley Scott Macinnes Terry Hickman	CAPT R. J. Kiser
31	Range Response Update – Regulations, Policy & Guidance	LTC Thomas M. Frendak/Alan J. Felser	
32	Experimental Techniques for Countermine Protection of Vehicles and Personnel Enhancing Deminer Safety Through Consideration of Position A Methodology for Evaluating Demining Personal Protective Ensembles for AP Landmines	W. Scott Walton Dr. A. Makris C. R. Bass	Jack Peterson
33	Aerial OE Survey at Kaho'olawe Island Multi-Level Fast Multipole Algorithm Modeling of Natural Radar Clutter Sources Effects of Tilt on Mine Cross-Polarization Response	William Kelso Dr. Lawrence Carin Marc Ressler	Dr. J. Harvey
34	Chemical Sensors as Payloads for Automated Underwater Vehicles: Applications for UXO Location and Classification Marine Magnetic System for UXO High Resolution Real Time Detection and Mapping in Shallow Water Unrestrained Cylinders in a Flow	Dr. Keith Ward Dr. Hovav Zafrir Dr. Jack Davis	David Vaughn
	Training Session DoD EPCRA Tri Reporting: Convention Use & OB/OD Activities, Tri-DDS Overview		Kris Velz, URS Corp.
35	UXO Residual Risk; Quantifying the Unknown UXO and Range Residue Risk Management at Active/Inactive Ranges – Implementation of DOD Directives 4715.11 and 12 Minimum Separation Distances Changed in Standard Ordnance Outreach Understanding FUDS OE PAE/SI	Dr. John Foley Ronald Stoner Dr. Michelle Crull Toni Hamley Richard Pike	Dick Wright
36	Imaging Explosive Depth and Volume Using NQR "Tool Box" Remote Detection of Chemical Explosives Efficient Physics-Based EM Modeling of UXO for Rapid Target Discrimination Fusion of Data from Forward-Looking Demining Sensors Nonlinear Seismo-Acoustic Land Mine Detection: Method and Instrumentation	Dr. Jeffrey Schiano George Lane Dr. Peter Weichman Dr. Brian Baertlein Dimitri Donskoy	Mark Locke
37	US Air Force Range Inventory - Lessons Learned Conceptual Site Model Based Sampling Design New Ordnance and Explosive Site Preparation Technologies Case Study for CWM Removal Action on Guam Phase I Results of the Ordnance Detection and Discrimination Study (ODDS), Ft. Ord Project, CA	MAJ Rick Cox Norrell Lantzer Terry Northcutt Edward C. Bishop Edward Staes	Phil Purdy
38	Time-Domain EM Measurements and Modeling of UXO GPS in the Mine/Countermine Testing Arena Design and Performance of the New Man-Portable Adjuncts to the MTADS Ultra-Wideband Electromagnetic Induction Spectroscopy Comparison of the Geonics Modified EM61 and the Mark II EM61 with Other Sensors	R. E. Grimm Gene Burchette Dr. J. R. McDonald Dr. Kevin O'Neill Wayne Saunders	Denis Reidy
39	Detection and Identification of Landmines: A Comparison of Statistical Signal Processing Algorithms Wideband Detection and Advanced Signal Processing for Landmine Discrimination Advances in Processing Techniques for Frequency Domain Electromagnetic Induction Data to Improve Detection of UXO-Like Material in Adverse Geologic Conditions Improvements to the US Army's AN/PSS-12 Metal Detector to Enhance Landmine Discrimination Capabilities	Dr. Leslie Collins Dr. Y. Dalichaouch David Wright Dr. Lloyd Riggs	Dick Weaver
40	Reducing the Ground - Bounce Effects for Mine Detectors with a Ground Penetrating Radar Physics-Based Signal Processing for Subsurface Object Detection and Identification Using Ground Penetrating Radar Improvement of UXO Classification Based on Fully-Polarimetric GPR Data Refraction Imaging to Enhance Radar Ground Penetration	Erik Larsson Dr. Stacy Tantum Dr. Chi-Chih Chen Ron Ueberschaer	Roger Young
41	UXO Cost-Risk Assessment Using MTADS Kaho'Olawe: Managing Post-Clearance UXO Risk Underlying Logic of Developing Risk-Based Methods for the UXO/Countermine Program Explosive Accident Evaluation and Comparison	R. E. Grimm Stanton Enomoto Joseph Skibinski Dr. John Lovett	LTC Thomas Frendak/ Alan J. Felser
42	JUXOCO UXO - ER Technology Requirements Process Developing Clearance Priorities Utilizing Public Input Estimating Budget Costs for Ordnance and Explosive Projects A Screening Method for Estimating Impacts of UXO Clearance on Natural and Cultural Resources	Dr. Femi Ayorinde Jerry Hodgson Kate Peterson Steve Getlein	Erik Hangeland

BEST OF NEW ORLEANS TOURS

Conference goers and their guests or family may register for any of the Best of New Orleans Tours, arranged by Hotard Destination Services of New Orleans. These tours are especially created to offer you a unique opportunity to experience this diverse city. All activities and tours listed are at an additional fee as noted. To register for tours, please complete the registration forms at the end of this section and mail or fax directly to Hotard.

TOUR 1: AIR BOATING ON THE BAYOU

Tour Day: April 11, 2001 **Cost:** \$90 Per Person
Duration: 3.5 Hours **Minimum:** 12
Tour departs at 1:30 p.m. from the New Orleans Marriott lobby.

Come ride the wildest, action packed tour in Southern Louisiana! Air boat ride through the dense swamps deep in Cajun Country just 45 minutes west of New Orleans. Arthur Matheme, a U.S. Coast Guard approved captain, alligator and crab fisherman, and native of Bayou Gauche, will introduce you to this quiet little fishing village and the swamp. View scenes of the willow and cypress forests, which are perpetually under water; the water hyacinth, which blooms a beautiful purple flower in spring and makes most of the swamp inaccessible to conventional motor boats; and the gator trails that you follow deep into the swamp! View natural habitat of swamp life, such as raccoon, mink beaver, gator and water fowl and see the crowning glory of the tour, Bayou Gauche, which is surrounded on all sides by swamp forests and accessible only by air boat or bateau. Once back at the dock, Arthur will introduce you to his other past time, raising soft shell crabs at his own shedding facility. Includes: Deluxe Roundtrip Motorcoach Transportation; One-Hour Air Boat Ride; Bottled Water, Soft Drinks; All Local Taxes and Gratuities.

TOUR 2: COOKIN' IN THE QUARTER

Tour Day: April 11, 2001 **Cost:** \$72 Per Person
Duration: 3 Hours **Minimum:** 18
Tour departs at 4:30 p.m. from the New Orleans Marriott lobby.

Where else in the world do you visit and you want to learn how to cook what's on your plate!! New Orleans, a mecca for fine cuisine and indulgence, is just that kind of place!

The New Orleans School of Cooking will afford you the opportunity of an afternoon on the river while enjoying the antics of our homegrown chef, who will show you exactly how to prepare the wonderful dishes indigenous to New Orleans, with souvenir printed recipes to take home, and of course, with a big finish – DINNER! Includes: Roundtrip Motorcoach Transportation; Creole Cooking Demonstration; Creole Lunch; Soft Drinks, Bottled Water, Beer & Wine with Dinner; Printed Recipes; All Local Taxes and Gratuities.

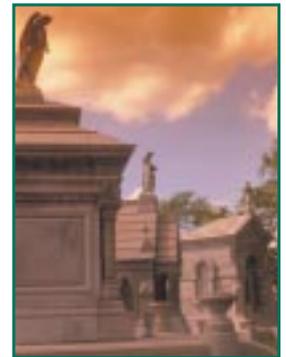


TOUR 3: STROLL WITH THE MAYFAIR WITCHES

Tour Day: April 11, 2001 **Cost:** \$38 Per Person
Duration: 3.5 Hours **Minimum:** 25
Tour departs at 1:30 p.m. from the New Orleans Marriott lobby.

"This was New Orleans, a magical and magnificent place to live. In which a vampire, richly dressed and gracefully walking through the pools of light of one gas lamp after another might attract no more notice in the evening than hundreds of other exotic creatures..." (Anne Rice, *Interview With the Vampire*, 1976).

New Orleans is a city, equal parts exotic and eerie—an uncommon blend of cultural diversity and time-honored traditions. Walk through the Garden District with its architectural splendor and see the magic that left a strong influence on the life of young Anne Rice. View exquisite exteriors, such as the Rice family's Greek Revival antebellum cottage on St. Charles Avenue and learn of the history of past residents – people as interesting as Anne's fictional Mayfair clan. The churches and cemeteries of Rice's childhood and books also resonate with rich histories. Visit Lafayette Cemetery, just blocks away from Rice's home and the burial site of her Mayfair Witches and view the "yellow-fever" graves of nineteenth century epidemic victims. Includes: Roundtrip Motorcoach Transportation; Professional Tour Guide; Garden District Tour, inclusive of a Garden District Home; Tour of Lafayette Cemetery; All Local Taxes and Gratuities.



TOUR 4: ENCHANTING GARDEN DISTRICT AND AN ELEGANT DINING EXPERIENCE AT COMMANDER'S PALACE

Tour Day: April 11, 2001 **Cost:** \$95 Per Person
Duration: 5 Hours **Minimum:** 25
Tour departs at 5:30 p.m. from the New Orleans Marriott lobby.

The Garden District. It's a lovely name that appropriately fits this elegant residential section of New Orleans. In contrast to the bustling French Quarter, the Garden District offers a glimpse of New Orleans past in quiet, even ghost-like surroundings. Explore all the delightful sights, sounds and traditions of Uptown New Orleans. Follow the route of the St. Charles Avenue streetcar past the University section to the affluent area bound by Jackson Avenue, Louisiana Avenue, St. Charles Avenue and Magazine Street. View homes built by American settlers to rival those of the Creole French Quarter.

As you stroll through the area surrounded by gigantic antebellum mansions set in vast lawns, live oaks, magnolias and palms, your guide will describe the pre-Civil War architecture and point out various homes of past Kings and Queens of Mardi Gras!

Tour a private 19th century residence and experience the genteel manner of living for which the South is noted. Here you will learn first hand the history of the home and the patience it takes to restore and gather beautiful antiques in order to bring the home back to its original elegance.

From there, we take a brief stop at Lafayette Cemetery for a peek at the very unique above-ground burial systems only seen in New Orleans - and just across the street is the world famous Commander's Palace Restaurant - rated the top restaurant from the James Beard Foundation! Enjoy this wonderfully traditional New Orleans restaurant as the atmosphere is much like a well run party given by old friends - flowers, conviviality and most importantly, splendid food and wines!! Includes: Roundtrip Motorcoach Transportation; Professional Tour Guide; Tour of a Private Home in the Garden District; Tour of Lafayette Cemetery; Complete Four Course dinner at Commander's Palace; All Local Taxes and Gratuities.



BEST OF NEW ORLEANS TOURS

TOUR 5: HAUNTED HISTORY TOUR & DINNER AT THE REDFISH GRILL

Tour Day: April 11, 2001 **Cost:** \$80 Per Person
Duration: 4 Hours **Minimum:** 100
Tour departs at 5:30 p.m. from the New Orleans Marriott lobby.

A wild and haunted evening awaits, as the Haunted History Tour Guide swoops you off your feet and takes you on a trip through the Vieux Carre that you'll never forget. A history of vampires and voodooos and the hauntings that surround are the folklore tonight! Experience one of the most mysterious religions known . . . Voodoo and Yoruba. This ancient religion has many historic and cultural ties to our beautiful and mysterious city. Guests who engage in this outing will experience the religion for themselves and see colorful rituals, explore the Vieux Carre and see places where ghosts still roam the halls!

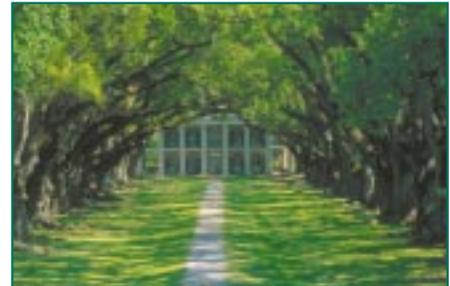
Finish the evening with a taste of New Orleans cuisine at the very hip & casual Redfish Grill – this Brennan's restaurant boasts an incredible array of redfish and other New Orleans original cuisine! We can't guarantee that you will want to go home tonight! Includes: Ninety-minute Haunted History Vampire & Voodoo Tour; Dinner; All Taxes and Gratuities.



TOUR 6: OAK ALLEY & LAURA PLANTATIONS

Tour Day: April 11, 2001 **Cost:** \$68 Per Person
Duration: 6 Hours **Minimum:** 30
Tour departs at 1:30 p.m. from the New Orleans Marriott lobby.

You will be whisked away in a luxury motorcoach and familiarized to Plantation Life by our Tour Guide for your trip back in time! Experience a bygone era in the South's most beautiful setting. Oak Alley Plantation begins with its spectacular trees. A quarter-mile alley of twenty-eight sheltering oaks over 250 years old still greets you today. The present day antebellum plantation, a National Historic Plantation, was built in 1839 when Southern aristocracy ruled the land. Enjoy her beauty and dream of her rich past. After the tour, enjoy lunch under the pavillion at the plantation – an unforgettable setting!



Just three miles from Oak Alley sits Laura Plantation, a beautiful example of a classic Creole plantation. Laura is one of the last surviving Creole plantations. Surrounded by fields of sugarcane, Laura with her dramatic, tragic and heroic stories, shows how Creole life was actually lived in Louisiana for two centuries. Tours are based on 5000 pages of documents and on the written Memoirs of Laura Locoul, the graphic 200 year account of the lives of the plantation residents, masters and slaves and of women and children. On display is the largest collection of family artifacts original to a Louisiana plantation, including clothing, photo albums, business and slave records. Includes: Roundtrip Motorcoach Transportation; Professional Louisiana Licensed Tour Guide; Admission To and Tour of Oak Alley Plantation; Admission To and Tour of Laura Plantation; Creole Buffet Luncheon at Oak Alley Plantation; All Local Taxes and Gratuities.

TOUR REGISTRATION FORM

Reservations: Please be sure to fill out all necessary information below. Advance reservations must be prior to March 11, 2001.

Refund Policy: A refund will be granted only for cancellations made by March 12, 2001. If a tour is canceled by Hotard because there are not enough people for tour, refunds will be given at the tour desk during the conference.

Prepaid Tickets: Please see the Hotard representative at the Tour Desk at the New Orleans Marriott to pick up prepaid tour tickets. A Hotard representative will be on site Monday, April 9, 8 a.m – 12 Noon; Tuesday, April 10, 9 a.m. – 12 Noon; and Wednesday, April 11, 9 a.m. -12 Noon. Additional tickets will be on sale at the Tour Desk based on availability.

Please make check or money order payable to: **HOTARD DESTINATION SERVICES**

Mail form and payment to: Hotard Destination Services, ATTN: Convention Services, 901 Convention Center Blvd., Suite 118, New Orleans, LA 70130

Telephone calls received 9 a.m. – 5 p.m. (CST) Monday-Friday, PHONE: (504)528-9433 or FAX: (504)528-9861

TOURS	Number of Tickets	Cost Per Ticket	Total Cost
Tour 1 – Air Boating on the Bayou			
Tour 2 – Cookin' in the Quarter			
Tour 3 – Stroll with the Mayfair Witches			
Tour 4 – Enchanting Garden District and Commander's Palace			
Tour 5 – Haunted History Tour & Redfish Grill			
Tour 6 – Plantations			
Total Cost: \$			

Charge to my Credit Card:

MC, VISA, AMEX, DISCOVER # _____ Exp. Date: _____
 Signature _____ Name: _____
 Address: _____
 City _____ Zip Code: _____
 Tel: Day: _____ Eve: _____

ATTENDEE REGISTRATION FORM

THE UXO/COUNTERMINE FORUM 2001
APRIL 9-12, 2001, NEW ORLEANS, LOUISIANA

Please complete this form and mail, E-mail, or fax it with payment information to:

Ms. Charlotte Galyon Phone: 1-888-808-5303 or (865) 632-6948
Tennessee Valley Authority Fax: (865) 632-4118
400 West Summit Hill Drive, WT 10A E-Mail: TheForum@tva.gov
Knoxville, Tennessee 37902-1499

Name: _____

Organization: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Telephone No.: (____) _____ - _____ Fax No.: (____) _____ - _____

E-Mail _____

Preferred Name for Name Tag: _____

Guest Name (if attending Reception - cost: \$40): _____

Please indicate type of registration and enclose correct fee (all U.S. dollars):

- Conference registration @ \$300 each/government (\$375 after March 16, 2001) \$ _____
 - Conference registration @ \$400 each/commercial (\$475 after March 16, 2001) \$ _____
 - Conference presenter @ \$250 each \$ _____
 - Guest reception ticket @ \$40 each \$ _____
 - Pre-conference workshop No Charge
- \$ _____ TOTAL

Registration fee includes admission to the conference, 3 continental breakfasts, 4 lunches, all breaks, exhibit reception, sports bar, conference materials, and a CD ROM of the conference proceedings.

PAYMENT INFORMATION

Check Money Order VISA MasterCard

Check No.: _____ Dated: _____ SSI or Tax ID No.: _____

Card No.: _____ Expiration Date: _____

Name on Card: _____ Signature: _____

Registration is complete when this form and payment are received by the Tennessee Valley Authority. Make checks payable to Tennessee Valley Authority. If you require special accommodations, please contact Ms. Galyon.

EXHIBITOR REGISTRATION FORM

THE UXO/COUNTERMINE FORUM 2001
APRIL 9-12, 2001, NEW ORLEANS, LOUISIANA

Please complete this form and mail, E-mail, or fax it with payment information to:

Ms. Charlotte Galyon Phone: 1-888-808-5303 or (865) 632-6948
Tennessee Valley Authority Fax: (865) 632-4118
400 West Summit Hill Drive, WT 10A E-Mail: TheForum@tva.gov
Knoxville, Tennessee 37902-1499

Company/Organization: _____ Point of Contact: _____

Address: _____ City: _____ State: _____ Zip Code: _____

Telephone No.: (____) _____ - _____ Fax No.: (____) _____ - _____

E-Mail _____

Please check one New Exhibitor Previous Exhibitor (Year _____)

Booth Personnel:

Booth personnel must be registered and paid conference attendees. One full conference registration is included with each 10' X 10' space. Please list all booth personnel below. (Include appropriate conference registration for all additional personnel listed.)

Name	Company	Telephone/Fax	E-Mail address
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Name	Company	Telephone/Fax	E-Mail address
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Booth display information will be printed in the conference program. Please supply a brief (25 words or less) description of your organization's products or services.

Please reserve (all U.S. dollars):

- | | |
|---|----------------|
| <input type="checkbox"/> Booths @ \$1125 each/government | \$ _____ |
| <input type="checkbox"/> Booths @ \$1325 each/commercial | \$ _____ |
| <input type="checkbox"/> Conference registration @ \$300 each/government (\$375 after March 16, 2001) | \$ _____ |
| <input type="checkbox"/> Conference registration @ \$400 each/commercial (\$475 after March 16, 2001) | \$ _____ |
| <input type="checkbox"/> Guest reception ticket @ \$40 each | \$ _____ |
| | \$ _____ TOTAL |
| <input type="checkbox"/> Pre-conference workshop | No Charge |

One conference admission includes admission to the conference, 3 continental breakfasts, 4 lunches, all breaks, exhibit reception, sports bar, conference materials, and a CD ROM of the conference proceedings.

PAYMENT INFORMATION

- Check Money Order VISA MasterCard

Check No.: _____ Dated: _____ SSI or Tax ID No.: _____

Card No.: _____ Expiration Date: _____

Name on Card: _____ Signature: _____

Registration is complete when this form and payment are received by the Tennessee Valley Authority. Make checks payable to Tennessee Valley Authority. If you require special accommodations, please contact Ms. Galyon.

OUTDOOR EXHIBIT OPPORTUNITY

The UXO/Countermining Forum offers exhibitors the opportunity to display and/or demonstrate your technologies outdoors on April 10 from 4:30 until 6:00 p.m. If you would like to participate, please contact Ms. Galyon no later than 5 p.m. (Eastern) March 23 with the following information:

- What you would like to display/demonstrate
- Your space needs
- Your equipment needs (tables, chairs, electricity, etc.)
- A one-paragraph description of your display/demonstration. Include your company and representative's name along with contact information.

THE UXO/COUNTERMINE FORUM 2001 DATES TO REMEMBER

- March 11 – Deadline for Best of New Orleans Tours
- March 14 – New Orleans Marriott Conference Rate Deadline
- March 16 – Conference Early Bird Registration Deadline
- March 23 – Outdoor Exhibit/Demonstration Information Deadline
- April 9–12, 2001 – The UXO/Countermine Forum 2001

For more information, visit our web site at
<http://www.denix.osd.mil/TheForum>, call 1-888-808-5303, or e-mail TheForum@tva.gov

CONTACTS FOR INQUIRIES FOR INFORMATION ON:

Registration/Exhibits: Charlotte Galyon, 1-888-808-5303 (e-mail: TheForum@tva.gov)
Sponsorship Opportunities: Darlene Edwards, 410-436-6866 (e-mail: Darlene.Edwards@aec.apgea.army.mil)



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HERE'S WHAT PREVIOUS ATTENDEES HAD TO SAY ABOUT THE FORUM:

"Organization, speakers, topics, and displays were all outstanding."

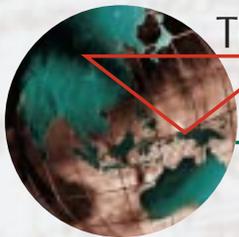
"Great opportunity to network."

"It was a great place to learn from people who know what's going on."

"Excellent business development opportunity."

"Excellent source of diverse topics."

"Far more interesting than I expected."



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