

MICHAEL M. SWISDAK, JR.

Name MICHAEL M. SWISDAK, JR.

Organization Naval Surface Warfare Center (1975 –present)
Naval Ordnance Laboratory (1966-1975)

Duties/Career History Mr. Michael Swisdak is a Senior Explosion Effects Scientist and recognized expert in the fields of airblast and airblast-related phenomenology, explosion-produced debris, and airblast/debris effects on explosive-safety quantity-distance—areas in which he has had over 43 years of experience. He has authored over 100 publications and papers in these fields. He started his career in 1966 at the Naval Ordnance Laboratory and transferred to the Indian Head Division, NSWC in 1996 with the closure of the White Oak Laboratory. Mr. Swisdak serves as program manager for the U. S. Department of Defense Explosives Safety Board (DDESB) Project ESKIMORE (the DDESB long-term testing initiative), serves as Chairman of the DDESB Science Panel, and is principal investigator for the DDESB Fragment-Hazard Investigation Program. He is also the U. S. Navy representative for the NATO AC/326 Storage and Transport Working Group.



Education Bachelor of Science---University of Florida (1964)
Master of Science, Physics--University of Florida (1965)

Publications/Papers See attached list of publications

Awards

- U.S. Navy Superior Civilian Service Award, 2003
- George W. Patterson Award for Outstanding Accomplishment, 2003
- U.S. Navy Meritorious Civilian Service Award, 1999
- Letters of Recognition/Appreciation: Commander, NSWC; Commander, Naval Ordnance Center; Department of Justice/Office of the U. S. Attorney; Field Command-DNA; Johns Hopkins University, Applied Physics Laboratory, U. S. Army Safety Center; U. S. Army TACOM; Department of Defense Explosive Safety Review Board; U. S. Army Executive Director for Explosive Safety
- Numerous Performance Awards and Outstanding Performance Ratings

Leadership Positions Held

- Navy Member of the DOD Explosives Safety Testing Steering Group
- Technical advisor to the Program Development Division of the DDESB
- Chairman of the DDESB Science Panel
- Member of the Technical Advisory Group for the U. S. Army Munitions Survivability Program
- Explosive Sensitivity/Sympathetic Detonation Coordinator for the U. S. Navy High Performance Magazine Program
- Technical Advisor to the Joint U.S. Army/Republic of Korea group for the underground storage of munitions
- Led the Navy Explosive Safety Improvement Program (NESIP)

Mr. Michael M. Swisdak, Jr. is an internationally-recognized expert in the fields of airblast and airblast-related phenomenology as it relates to explosives safety in the Department of Defense. He has over 43 years of experience and has authored more than 100 publications and papers in this field.

Since 1988, Mr. Swisdak has been the Principal Investigator for the Department of Defense Explosives Safety Board Research and Development Program. In this capacity, he has distinguished himself as one of the world's experts in defense-related explosive safety and throughout his career has increased his technical role in numerous domestic and international programs dealing with explosive airblast and fragmentation effects and safety.

Mr. Swisdak's career highlights include:

- Served as the Principal Investigator for the Joint U.S. – U.K. Investigation of Hazard Division 1.2 munitions. His work in characterizing Hazard Division 1.2 ammunition has resulted in sweeping revisions of the U.S. Department of Defense and NATO Explosive Safety Standards.
- Served as advisor to the United Kingdom's Explosives Storage Transport Committee for the planning and execution of two large-scale safety trials in Woomera, Australia in 1999 and in 2002. These tests were part of an international test series to determine and model safety criteria for explosives storage.
- Served as the Explosives Sensitivity/Sympathetic Detonation Coordinator for the U.S. High Performance Magazine Program. His work led to the development and acceptance of new criteria for predicting sympathetic detonation as a result of kinetic trauma. These criteria were applied to the analysis of Israeli-designed storage magazines used by the U.S. Army and the analysis of revetments for the U.S. Air Force.
- Served as primary explosion-effects investigator for two explosive incidents at the Indian Head Division, NSWC involving buildings 518 and 1026 in 1994 and 1998, respectively.
- Served as navy member on the DOD Working Group chartered to rewrite the DOD Explosive Safety standards. His work led to sweeping revisions of DOD 6055.9-STD, which governs the explosives safety requirements for the DOD.
- Consulted with the Danish Government to increase the safety of their ammunition storage sites in Bosnia.
- Pioneered work for the U. S. Marine Corps that examined Maritime Pre-Positioning Ships (MPS). This work led to a significant reduction in land encumbered by sea-based operations at Blount Island, Jacksonville, Florida.
- Led the effort to develop the consequence algorithms that are incorporated into the DOD's quantitative risk assessment tool SAFER.
- As chair of the DDESB Science Panel, Mr. Swisdak has led in the fielding of several large test series. These have included SciPan 1, SciPan 3, SciPan 4, ISO-1, ISO-2, and ISO-3. The SciPan tests have examined the debris generation characteristics of typical reinforced concrete structures and the effects of airblast/debris on nearby structures. The ISO series has examined the debris generation characteristics of explosions inside ISO containers.
- Developed the DDESB Blast Effects Computer, an Excel template for predicting the airblast produced by explosions inside various types of explosives storage structures.

Mr. Swisdak's work during his career is viewed by many as the cornerstone of our Nation's policies that deal with the storage safety of our stockpile of explosive items. The aforementioned career highlights not only demonstrate that Mr. Michael Swisdak has been an asset to the U. S. Navy but also to the Department of Defense where his technical expertise and dedication is unequalled.

PUBLICATIONS
Michael M. Swisdak, Jr.

FORMAL TECHNICAL REPORTS

1. Swisdak, M. M., "A Comparison of Explosives in a Conical Shock Tube," NOL TR 69-61, 29 Apr 1969.
2. Swisdak, M. M. and Sadwin, L. D., "Blast Characteristics of 20- and 100-Ton Hemispherical ANFO Charges, NOL Data Report," NOL TR 70-32, 17 Mar 1970.
3. Swisdak, M. M. and Sadwin, L. D., "ANFO Charge Preparation for Large Scale Tests, "NOL TR 70-205, 8 Oct 1970.
4. Swisdak, M. M. and Peckham, P. J., "Airblast Characteristics of MK 82 and M117A1 G.P. Bombs," NOL TR 72-17, 10 Feb 1972.
5. Swisdak, M. M., "A Survey of Tritonal and H-6 as Explosive Bomb Fills," NOL TR 73-92, 18 Jun 1973.
6. Swisdak, M. M. and Sadwin, L. D., "Performance of Multi-ton ANFO Detonations, A Summary Report," NOL TR 73-105, 2 Jul 1973.
7. Swisdak, M. M., "Explosion Effects and Properties: Part I--Explosion Effects Air," NSWC TR 75- 116, 6 Oct 1975.
8. Swisdak, M. M. and Peckham, P. J., "Explosives Division Progress Reports on Explosive Research: 1 Jan-31 Mar 1977 (U)," NSWC/WOL MP 77-2, CONFIDENTIAL.
9. Swisdak, M. M., "Explosion Effects and Properties: Part II--Explosion Effects in Water," NSWC/WOL TR 76-116, 22 Feb 1978.
10. Swisdak, M. M., Pittman, J. F., et. al., "Air Water Blast Wave Transfer: DAWS Pond Program I (U)," NSWC/WOL TR 77-60, Jun 1978, CONFIDENTIAL.
11. Swisdak, M. M., Pittman, J. F., et. al., "Air/Water Blast Wave Transfer: DAWS Pond Program II (U)," NSWC/WOL TR 77-142, 30 Nov 1978, CONFIDENTIAL.
12. Swisdak, M. M., Pittman, J. F., et. al., "Air/Water Blast Wave Transfer: DAWS 1:4 and 1:20-Scale Data (U)," NSWC/WOL TR 79-201, 10 Sep 1979, CONFIDENTIAL.
13. Swisdak, M. M., Pittman, J. F., et. al., "Air/Water Blast Wave Transfer: Summary of DAWS Experiments and Final Predictions (U)," NSWC/WOL TR 79-339, 9 Sep 1979, CONFIDENTIAL.
14. Swisdak, M. M., Porzel, F., et. al., "Naval Explosives Safety Improvement Program (NESIP): Summary and Status through June 1976," NSWC TR 81-27, March 1981.
15. Swisdak, M. M., "Hazard Arcs Around Nuclear Submarines (U)," NSWC TR 81- 187, 18 May 1981, CONFIDENTIAL.

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17. Swisdak, M. M., "Quasi-Static Pressures from Reactive Cased Explosives--Part II," NSWC MP 81-265, 1 Aug 1981.
18. Swisdak, M. M., Lorenz, R.A., et. al., "Safety/Vulnerability of TOMAHAWK Cruise Missiles Aboard CGN-38 Class Ships (U)," NSWC MP 83-136, 1 May 1982, CONFIDENTIAL.
19. Swisdak, M. M. and Peckham, P. J., "The Effect of a Reactive Liner on the Airblast Performance of a Cased Explosive Charge (U)," NSWC TR 83-342, 8 Dec 1982, CONFIDENTIAL.
20. Swisdak, M. M. and Peckham, P. J., "Reaction Propagation Along an Enclosed Conveyor," NSWC TR 83-8, 5 Dec 1982.
21. Swisdak, M. M., "Maximum TNT Equivalence of Naval Propellants," NSWC TR 83-120, 28 Feb 1983.
22. Swisdak, M. M. and Peckham, P. J., "Sympathetic Detonation of 16"/50 HC Projectiles," NSWC TR 84-64, 23 Jan 1984.
23. Swisdak, M. M. and Peckham, P. J., "SPARROW (7M) Warhead Hazard Test Program: Vol 2, Airblast Results," NSWC TR 84-86, 16 Mar 1984.
24. Ward, J. M., Swisdak, M. M., et. al., "SPARROW (7M) Warhead Hazard Test Program: Vol 3, Quantity-Distance Results (U)," NSWC TR 84-88, 19 Mar 1984, CONFIDENTIAL.
25. Swisdak, M. M. and Peckham, P. J., "Space Shuttle Command Destruct System/Solid Rocket Booster Propellant Interaction," NSWC TR 85-62, 21 Jan 1985.
26. Swisdak, M. M. and Peckham, P. J., "Validation Tests in Building 327--50 Pound Bombproof," NSWC TR 85-384, 30 Oct 1985.
27. Swisdak, M. M., et. al., "Modeling of Debris and Airblast Effects from Explosions Inside Scaled Hardened Aircraft Shelters," NSWC TR 85-470, 3 May 1985.
28. Swisdak, M. M., "Solid Rocket Booster Hazard Study: Volume 1, Summary," NSWC TR 85-344, Dec. 1985.
29. Swisdak, M. M. and Peckham, P. J., "STANDARD Missile Test Cell Maximum Credible Event; Phases I and II," NSWC TR 85-462, 1 Jun 1986.
30. Swisdak, M. M., "Aircraft Shelter Model Tests (ASMT) Follow-up Analyses," NSWC TR 86-472, 30 Sep 1986.
31. Swisdak, M. M., "MK 50 Gas Generator Detonation Tests," NSWC TR 87-246, 10 Jul 1987.

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32. Swisdak, M. M., "MK 74 Gas Generator Detonation Tests," NSWC TR 87-248, 10 Jul 1987.
33. Swisdak, M. M. and Montanaro, P., "The Analysis of the Debris Produced by Explosions in Tunnels: Waikale Branch Tunnel Magazines--NAVMAG Lualualei," NSWC TR 88-170, Apr 1988.
34. Swisdak, M. M., "Hazard Class/Division 1.6: Articles Containing Extremely Insensitive Detonating Substances (EIDS)," NSWC TR 89-356, 1 Dec 1989.
35. Swisdak, M. M., "A Reexamination of the Airblast and Debris Produced by Explosions Inside Earth-Covered Igloos," NAVSWC TR 91-102, 28 Jan 1991.
36. Swisdak, M. M., "Hardened Aircraft Shelter Test Program," NAVSWC TR 91-628, 27 Nov 1991.
37. Swisdak, M. M., "ESQD Arcs for Maritime Prepositioning Ships," NAVSWC TR 91-630, 25 Nov 1991.
38. Swisdak, M. M. and Montanaro, P. E., "Airblast and Fragmentation Hazards Produced By Underwater Explosions," NSWCDD/TR-92/196, 1 April 1992.
39. Swisdak, M. M. and Rye, K. W., "Hazard Division 1.2 Tests--Instrumentation Results and Interpretation," NSWCDD/TR-93-218, 9 March 1994.
40. Swisdak, M. M., "TNT Equivalence of Selected Army Gun Propellants," IHTR 1741, 2 Dec 1994.
41. Hager, K., Tancreto, J. and Swisdak, M., "Evaluation of ARMCO Revetments For Prevention Of Sympathetic Detonation Of Thin-Cased Munitions And Robust-Cased Missile Warheads," NFESC TR-2059-SHR, May 1996.
42. Swisdak, M. M., Ward, J. M. and Gould, M. J. A., "Proposed Quantity-Distance Rules For Hazard Division 1.2 Ammunition," IHTR 1964, 14 March 1997.
43. Swisdak, M. M., "Brief Discussion Of Two Magazine Accidents At The Naval Surface Warfare Center," IHTR 2022, 31 October 1997.
44. Swisdak, M. M., "Hazard Division 1.2 Testing In A Miniature Magazine," IHTR 2158, 22 January 1999.
45. Hager, K., Tancreto, J. and Swisdak, M., "High Performance Magazine Non-Propagation Wall Design Criteria," NFESC Technical Report TR-2112-SHR, Dec 1999.
46. Murtha, R., Tancreto, J., Kusano, H., Swisdak, M., "Basis of Design: Italian Navy Standard Missile Intermediate-Level Maintenance Facility," NFESC Site Specific Report SSR-2250-SHR, April 2000.
47. Swisdak, M. M. and Deschambault, E. J., "Approved Protective Construction (Version 1.0)," Department of Defense Explosives Safety Board Technical Paper 15, 2 February 2001.

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50. Swisdak, Michael, Tancreto, James, and Tatom, John, “SciPan 1 and SciPan 2 Response of Reinforced Concrete Tilt-up Construction to Blast Loads,” NAVFAC TM-2371-SHR, July 2004.
51. Swisdak, M. M., “DDESB Blast Effects Computer Version 6: User’s Manual and Documentation, Department of Defense Explosives Safety Board Technical Paper 17 Revision 1, 10 March 2005.
52. Swisdak, M. M. and Crull M., “Methodologies For Calculating Primary Fragment Characteristics,” Department of Defense Explosives Safety Board Technical Paper 16 Revision 2, 17 October 2005.
53. Swisdak, Michael, Tancreto, James, and Tatom, John, “SciPan 3: Debris Hazards From A Concrete and Masonry PES and Response of Unreinforced Masonry to Blast Loads,” NAVFAC TM-2388-SHR, March 2006.
54. Swisdak, Michael and Tatom, John, “Characterization of an Explosion Inside an ISO Container On A Truck,” IHTR 2837, 22 February 2007.
55. Swisdak, Michael, Tatom, John, and Hoing, Craig, “Procedures For The Collection, Analysis, and Interpretation of Explosion Produced Debris—Revision 1,” Department of Defense Explosives Safety Board Technical Paper 21 Revision 1, 22 October 2007.
56. Swisdak, M. M. and Crull M., and Hamilton, S., “Methodologies For Calculating Primary Fragment Characteristics,” Department of Defense Explosives Safety Board Technical Paper 16 Revision 3, 1 April 2009.
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2. Swisdak, M. M., "Equivalent Weight Calculations Using the C-E-I-R On-Site Computer," NOL TN 8123, 13 Aug 1968.
3. Swisdak, M. M., "Blast Energy and Equivalent Weight Calculations for PETN in Free Air," NOL TN 9242, 21 Jun 1971.
4. Swisdak, M. M., "An Investigation of the Sound Pressure Levels Produced by Explosions in Bombproofs," NOL TN 9642, 27 Jul 1972.
5. Swisdak, M. M., "Explosive Dredge II (EC-191)," NOL TN 9667, 16 Aug 1972.
6. Swisdak, M. M., "Compiled Free-Air Blast Data for Bare Spherical H-6 and Tritonal," NOL TN 9884, 29 Mar 1973.
7. Swisdak, M. M., "Additional Measurements of Noise Generated by Explosion Tests in Bldg 317," NOL TN 10134, 17 Apr 1974.

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1. "Some Problems Associated with Airblast Pressure Transducers," presented at the 7th Transducer Workshop, Albuquerque, NM, Mar 1972.
2. "An Investigation of the Sound Pressure Levels Produced by Explosions in Bombproofs," presented at the Conference on Environmental Effects of Explosives and Explosions, NOL, 30-31 May 1973.
3. "An Investigation of the Sound Pressure Levels Produced by Explosions in Bombproofs," Minutes of the 15th DDESB Seminar, San Francisco, CA, 18-20 Sep 1973.
4. "Explosion Testing and the Environment," presented at the DEA-AF-F/G 7304 Technical Meeting: Physics of Explosives, April/May 1974 (with G. Young).
5. "Charge Preparation of Operation Pre-DICE THROW," presented at the pre-DICE THROW Symposium, Albuquerque, NM, Oct 1975.
6. "Environmental Assessment of Explosive Demolition Disposal at Fort Pickett, VA," presented at the Conference on Environmental Effects of Explosives and Explosions, NSWC/WOL, Oct 1976 (with G. Young).
7. "Charge Preparation for Operation DICE THROW," presented at the DICE THROW Symposium, BRL, Jun 1977.
8. "Long Range (Low Pressure) Airblast Parameters," Minutes of the 18th DDESB Seminar, San Antonio, TX, 12-14 Sep 1978.
9. "Explosive Material Quality Control for MISERS BLUFF, Phase II," presented at the MISERS BLUFF Symposium, Albuquerque, NM, Mar 1979 (with P. Peckham).
10. "Hazard Arcs Around Nuclear Attack Submarines," Minutes of the 19th DDESB Seminar, Los Angeles, CA, 9-11 Sep 1980.
11. "Explosive Quality Control for MILL RACE," presented at the MILL RACE Symposium, HDL, Mar 1982.
12. "Explosive Material Quality Control and Boosting System for DISTANT RUNNER," presented at the DISTANT RUNNER symposium, DARCOM HQ, Apr 1982.
13. "Naval Explosives Safety Improvement Program--Plans and Programs," Minutes of the 20th DDESB Seminar, Norfolk, VA, Aug 1982.
14. "Reproducibility of Multi-Ton ANFO and TNT Detonations," presented at 8th International Symposium on Military Applications of Blast Simulation, Spiez, Switzerland, Jun 1983.
15. "Maximum TNT Equivalence of Naval Propellants," presented at 1984 JANNAF Propulsion Systems Hazards Subcommittee Meeting, BRL, Jun 1984.

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17. "Sympathetic Detonation of 16"/50 HC Projectiles," Minutes of the 21st DDESB Seminar, Houston, TX, Aug 1984 (with F. Porzel).
18. "Reaction Propagation Along an Enclosed Explosive Handling Conveyor," Minutes of the 21st DDESB Seminar, Houston, TX, Aug 1984 (with P. Peckham).
19. "Pre-Formed Fragment Warhead Recovery Tests," Minutes of the 21st DDESB Seminar, Houston, TX, Aug 1984 (with V. Moore).
20. "SPARROW (7M) Hazards Test Program," Minutes of the 21st DDESB Seminar, Houston, TX, Aug 1984 (with J. Ward, et. al.).
21. "Explosive Material Quality Control and Booster System for MINOR SCALE," presented at the MINOR SCALE Symposium, Albuquerque, NM, Feb 1986.
22. "STANDARD Missile Test Cell Accident Maximum Credible Event," presented at the 1986 JANNAF Propulsion Systems Hazards Subcommittee Meeting, Monterey, CA, Mar 1986.
23. "A New Explosion Test Facility at NSWC--The 50-Pound Bombproof," presented at the 22nd DDESB Seminar, Anaheim, CA, Aug 1986 (with P. Peckham, et. al.).
24. "Solid Rocket Booster Command Destruct System Hazard Study," Minutes of the 22nd DDESB Seminar, Anaheim, CA, Aug 1986.
25. "TOMAHAWK (BGM-109 B/C-2) Sympathetic Detonation Testing and Hazard Arc Determination," Minutes of the 22nd DDESB Seminar, Anaheim, CA, Aug 1986.
26. "Prevention of Sympathetic Detonation," presented at Workshop on Insensitive Munitions Information Exchange, London, England, Oct 1986.
27. "Aircraft Shelter Model Test Program," presented at the International Symposium on the Interaction of Conventional Munitions with Concrete Structures, Mannheim, Federal Republic of Germany, March 1987 (with J. Ward).
28. "Explosive Material Quality Control and Booster System for MISTY PICTURE," presented at the MISTY PICTURE Symposium, HDL, Dec 1987.
29. "Fragment Hazard Investigation Program," presented at 2nd Australian Defence Explosive Safety Seminar, Canberra, Australia, Dec 1987.
30. "Prevention of Sympathetic Detonation," presented at 2nd Australian Defence Explosive Safety Seminar, Canberra, Australia, Dec 1987.
31. "Analysis of the Debris Produced by A Processing Building Accident," Minutes of the 23rd DDESB Seminar, Atlanta, GA, Aug 1988.

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33. "Explosive Material Quality Assurance and Booster System," presented at the MISERS GOLD Symposium, 22-25 Jan 1990.
34. "TEMPS--Maritime Prepositioning Ship Test," presented at Third Tri-Service Symposium on Explosive Testing, March 1990.
35. "Hazard Division 1.6--Extremely Insensitive Detonating Substances," presented at Third Tri-Service Symposium on Explosive Testing, March 1990.
36. "INBLAST--A New and Revised Computer Code For The Prediction of Blast Inside Closed Or Vented Structures," Minutes of the 24th DDESB Seminar, St. Louis, MO., Aug 1990 (with P. Montanaro).
37. "Hazard Class/Division 1.6: Articles Containing Extremely Insensitive Detonating Substances," Minutes of the 24th DDESB Seminar, St. Louis, MO., Aug 1990.
38. "Procedures For The Analysis of Debris Produced by Explosion Events," Minutes of the 24th DDESB Seminar, St. Louis, MO., Aug 1990.
39. "INBLAST--A New and Revised Computer Code For The Prediction of Blast Inside Closed Or Vented Structures," presented at the Fifth International Symposium on Interaction of Nonnuclear Munitions With Structures, Mannheim, Germany, May 1991.
40. "Hazards Produced By the Detonation of Buried Ordnance," presented at the Fourth Tri-Service Symposium on Explosives Testing, 20-21 Nov 1991.
41. "ESQD Arcs for Maritime Prepositioning Ships," presented at the Fourth Tri-Service Symposium on Explosives Testing, 20-21 Nov 1991.
42. "Explosive Material Quality Assurance and Booster System," presented at the DISTANT IMAGE Symposium, Jan 1992.
43. "Hazards Produced By Explosions Inside Earth-Covered Igloos," Minutes of the 25th DDESB Seminar, Anaheim, CA. Aug 1992
44. "Hardened Aircraft Shelter Test Program," Minutes of the 25th DDESB Seminar, Anaheim, CA. Aug 1992.
45. "ESQD Arcs for Maritime Prepositioning Ships," Minutes of the 25th DDESB Seminar, Anaheim, CA. Aug 1992.
46. "Hazards From Underwater Explosions," Minutes of the 25th DDESB Seminar, Anaheim, CA. Aug 1992 (with P. Montanaro).

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48. "ANFO Quality Assurance and Booster System," presented at the MINOR UNCLE Symposium, Feb 1994.
49. "Hazard Division 1.2 Tests--Instrumentation Results and Interpretation," Minutes of the 26th DDESB Seminar, Miami, FL, Aug 1994 (with K. W. Rye).
50. "A Consequence Minimization Approach To Explosive Siting" Minutes of the 26th DDESB Seminar, Miami, FL, Aug 1994.
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54. "HPM Acceptor Threshold Criteria For Explosive Fill Pressure And Case Deformation," Minutes of the 26th DDESB Seminar, Miami, FL, Aug 1994 (with J. Tancreto, et. al.).
55. "Hazard Division 1.2 Effects From Open Stacks," presented at PARARI '95--Australasian Safety Seminar, Canberra, Australia, October 1995 (with J. Ward, M. Gould, and W. Houchins).
56. "Non-Thermal Effects From Hazard Division 1.3 Events Inside Structures," Minutes of the 27th DDESB Seminar, Las Vegas, NV, Aug 1996 (with P. Montanaro).
57. "A Brief Discussion of Two Recent Magazine Accidents At The Naval Surface Warfare Center," Minutes of the 27th DDESB Seminar, Las Vegas, NV, Aug 1996.
58. Hazard Division 1.2 Open Air Testing--Summary Of Results," Minutes of the 27th DDESB Seminar, Las Vegas, NV, Aug 1996 (with W. Houchins and M. Gould).
59. "Proposed Quantity-Distance Rules For Hazard Division 1.2 Ammunition," Minutes of the 27th DDESB Seminar, Las Vegas, NV, Aug 1996 (with W. Houchins, J. Ward, and M. Gould).
60. "Analytical Certification of ARMCO Revetments For Preventing Sympathetic Detonation," Minutes of the 27th DDESB Seminar, Las Vegas, NV, Aug 1996 (with J. Tancreto and K. Hager).

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61. “ESQD Reduction By Analysis and Analogy,” Minutes of the 27th DDESB Seminar, Las Vegas, NV, Aug 1996 (with P. Montanaro).
62. “Blast Induced Fragments From Detonations Inside Munitions Storage Structures,” Minutes of the 27th DDESB Seminar, Las Vegas, NV, Aug 1996 (with K. Bahktar).
63. “The DDESB Blast Effects Computer—From Circular Slide Rule to EXCEL Spreadsheet,” Minutes of PARARI ’97 (Australian Explosives Safety Seminar), Canberra, Australia, Nov 1997 (with P. Montanaro, and J. Ward).
64. “The Effect Of Structures On The Hazards Arising From Accidental Explosions Of Hazard Division 1.2 Ammunition,” Minutes of PARARI ’97 (Australian Explosives Safety Seminar), Canberra, Australia, Nov 1997 (with J. Henderson, J. and M. Gould).
65. “The Measurement And Analysis Of Explosion Produced Debris And Fragments Following An Accident Or A Test Representative Of An Accident,” Minutes of PARARI ’97 (Australian Explosives Safety Seminar), Canberra, Australia, Nov 1997 (with M. Gould).
66. “A Brief Discussion of A Recent Explosive Accident At the Naval Surface Warfare Center,” Minutes of the 28th DoD Explosives Safety Seminar, Orlando, FL, Aug 1998 (with E. Deschambault).
67. “The New DDESB Blast Effects Computer,” Minutes of the 28th DoD Explosives Safety Seminar, Orlando, FL, Aug 1998 (with J. Ward).
68. “Feasibility of Using Non-Propagation Walls In An Existing Operating Facility,” Minutes of the 28th DoD Explosives Safety Seminar, Orlando, FL, Aug 1998 (with K. Hager and J. Tancreto).
69. “Procedures For The Collection, Analysis, and Interpretation of Explosion-Produced Debris,” Minutes of the 28th DoD Explosives Safety Seminar, Orlando, FL, Aug 1998 (with M. Gould).
70. “Proposed Quantity-Distance Rules For Hazard Division 1.2 Ammunition,” Minutes of the 28th DoD Explosives Safety Seminar, Orlando, FL, Aug 1998 (with M. Gould and J. Ward).
71. “DDESB Blast Effects Computer—Version 3.0,” Minutes of PARARI ’99 (Australian Explosives Safety Seminar), Canberra, Australia, Nov 1999 (with J. Ward).
72. “Primary Fragment Ranges For Explosives Safety,” Minutes of PARARI ’99 (Australian Explosives Safety Seminar), Canberra, Australia, Nov 1999 (with M. Crull).
73. “Risk Based Explosives Safety Modeling,” Minutes of PARARI ’99 (Australian Explosives Safety Seminar), Canberra, Australia, Nov 1999 (with M. Hardwick and J. Tatom).
74. “40 Tonne Event: A Comparison Of Predicted and Measured Airblast Results,” Minutes of the 29th DoD Explosives Safety Seminar, New Orleans, LA, July 2000 (with L. Absil).

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75. “Primary Fragment Ranges For Explosives Safety,” Minutes of the 29th DoD Explosives Safety Seminar, New Orleans, LA, July 2000. (with M. Crull).
76. “The DDESB Blast Effects Computer—Version 4.0,” Minutes of the 29th DoD Explosives Safety Seminar, New Orleans, LA, July 2000 (with J. Ward).
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78. “Approved Protective Construction In The United States,” Minutes of PARARI ’01 (Australian Explosives Safety Seminar), Canberra, Australia, Nov 2001 (with E. Deschambault).
79. “Comparison Of 40-Tonne Test Debris Data To SAFER Prediction,” Minutes of PARARI ’01 (Australian Explosives Safety Seminar), Canberra, Australia, Nov 2001 (with J. Tatom, K. Newton and T. Pfitzer).
80. “Basis And Benefits Of Reduced Hazard Classification (HD 1.1, 1.2, 1.2.3, and 1.6),” Minutes of PARARI ’01 (Australian Explosives Safety Seminar), Canberra, Australia, Nov 2001 (with J. Ward).
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114. “ISO-2: Debris Catalog Organization and Visualization,” Minutes of the 33rd DoD Explosives Safety Seminar, Palm Springs, CA, Aug 2008 (with J. Tatom and J. Davis)

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115. “The Science of SAFER 3.03,” Minutes of the 33rd DoD Explosives Safety Seminar, Palm Springs, CA, Aug 2008 (with J. Tatom and R. Conway)
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