

CURRICULUM VITAE

SCOTT S. HARABURDA

Qualifications

Over 30 years of experience in engineering, research & development, acquisition, teaching, control & information technology systems, project management, logistics, and manufacturing management while working with General Electric Plastics, Bayer and the US Army. Proven engineering and scientific abilities for both industrial and laboratory applications. Proven management abilities to manage people, resources, projects and operations for large organizations. Chemical engineering expertise in: controls, equipment design, heat transport, information technologies, polymers, processes, production, simulations, and transport phenomena.

Education

PhD	Chemical Engineering	Michigan State University	2001
MS	Chemical Engineering	Michigan State University	1990
MSS	Strategic Studies	US Army War College	2006
BS	Chemistry	Central Michigan University	1983
AA	General Science	Grand Rapids Junior College	1981

Professional Overview

Areas of Technical / Engineering Specialization and Interest:

- Process modeling & simulations, including optimizing material & energy balances.
- Predicting thermodynamic properties, including heat transfer.
- Process optimization techniques, including solving linear & non-linear equations.
- Systems engineering processes.
- Manufacturing control & information technology systems.
- Alternative technologies for chemical weapons destruction.
- Project engineering and project management.

Experience Summary:

- Military Leadership (US Army Officer, attained rank of Colonel, 1983-2010).
- International and National Communications (Publications 1989-2013).
- College Instructor (US Military Academy, 1990-1992).
- Joint Senior Service Colleges (Army, Air Force, and Navy War Colleges, 1990-2006).
- Commercial International Manufacturing (Bayer, General Electric, 1992-2000).
- Enterprise Systems (General Electric, 1996-2000 and Army 2009-2015).
- Innovation (US Patents 1996-2003).
- Engineering Expert (PhD 2001 and Professional Engineer 1997).
- Acquisition Professional (multiple DAWIA certifications, 2000-2015).
- Senior Army Headquarters Staff (ASAALT office, Pentagon 2005).
- Continuous Improvement Expert (Certified Six Sigma Blackbelt from ASQ, 2006).

- Senior Leadership (Brigade Commander 2006-2007 and Battalion Commander 2002-2004).
- Organizational Excellence (Malcolm Baldrige Examiner 2007, 2009).
- Community Service (Terre Haute Children's Museum Board of Directors 2007-2010).
- Joint Military Service (LOGCAP & DCMA 2007-2010 and DTSA 1994).
- Joint Logistics (LOGCAP 2007 - 2008).
- Warfighter Deployment (Kuwait 2007 - 2008).
- Ammunition Management (Crane Army Ammunition Activity 2009-2015).

University Services:

- University Recruiting, Southwest Indiana and Western West Virginia Regions, West Point, 1996 – 1998.
- Member, Congressional Academy Nomination Panel, Indiana 8th Congressional District, 1996 – 1998.
- Member, Committee for Establishing Basic College Math Skill-Levels, West Point, 1991 – 1992.

Professional Organizations:

- National Society of Professional Engineers (NSPE): Vice Chair of Professional Engineers in Government Executive Board 2011-2015; member of Licensure and Qualifications for Practice Committee 2011-2013.
- Indiana Society of Professional Engineers (ISPE): President 2014-2015, Francis Vigo (Terre Haute) Chapter Vice-President 2006-2011; Chair of Awards Committee 2012-2015.
- Veterans of Foreign Wars (VFW): Post 1405 Senior Vice-Commander 2011-2015.
- Association of United States Army (AUSA), since 1984.
- Chemical Corps Regimental Association, since 1984.
- Reserve Officer Association, since 2006.

Honors, Awards, and Distinctions:

- [Fellow](#), National Society of Professional Engineers, 2013.
- [Hall of Fame](#), Central Michigan University ROTC, 2011.
- Legion of Merit, US Army, 2010.
- Community Leadership Award, 2009 - Member of the Board of Directors for the Terre Haute Children's Museum, received the Alan Rankin Award that is given annually for outstanding leadership in the Indiana Wabash Valley area in recognition for outstanding service to the community.
- Examiner, Malcolm Baldrige National Quality Award (MBNQA), 2007, 2009.
- Chief Judge, 1999 Vaaler Awards, *Chemical Processing* magazine.
- Project Leader, *Chemical Processing* magazine's 1998 *Project of the Year*.
- Nominated by US Army to become an [astronaut candidate](#) for NASA, 1991.
- Distinguished Military Graduate, Central Michigan University ROTC, 1983.

Other:

- Registered [Professional Engineer](#) (P.E.) in Indiana (number PE19700365), since 1997.
- Board of Directors, Terre Haute Children's Science and Technology Museum, 2007 – 2010.

- Certificate, Chief Information Officer (CIO), Information Resources Management College, 2000.
- Volunteer, Science Technology And Reading (STAR), Reading Is Fundamental, 1996 – 1999.
- Possess elementary communication skills in German.
- Possessed Top Secret security clearance.
- Certified Six Sigma Black Belt, American Society of Quality (number 5083), 2006-2012.
- Certified [Lean Six Sigma Black Belt](#), US Army, since 2012.
- Six Sigma statistical quality improvement process experience, including the following:
 - *Design of Experiments (DOE).*
 - *Design for Six Sigma (DFSS).*
 - *Design of Experiments (DOE), such as using Taguchi methods and Analysis of Variance.*
 - *Statistical Process Control (SPC).*
 - *Define, Measure, Analyze, Improve, Control (DMAIC).*
- Department of Defense Acquisition Professional with certifications in the following areas:
 - *Contracting.*
 - *Information Technology.*
 - *Life Cycle Logistics*
 - *Production, Quality, Manufacturing.*
 - *Program Management.*
 - *Systems Planning, Research, Development, and Engineering.*
 - *Test & Evaluation Engineering.*

Experience

US Army - civilian

Strategic Planner, Crane Army Ammunition Activity, Crane, IN [GS-0340-14] (May 2014 - Present)

Presently manages, plans, coordinates, integrates, and implements organizational initiatives to include, but not limited to strategic planning; Business Process Reengineering; customer feedback systems; and benchmarking. Serves as the Activity's technical authority for the change management efforts, which includes supporting the directors in identifying and implementing recommendations to improve overall activity-wide functions, operations, and overall performance, covering a wide spectrum including organizational structure and functions, mission assignments, command relationships, efficiency/productivity, and legal and regulatory controls. Key accomplishments include:

- Recognized by the Commanding General of Army Materiel Command with his lapel pin containing four gold stars for exemplary contributions during the 2014 Depot Assessment Visit, for presenting information about actionable-based metrics, strategic initiatives, and business opportunity. (Leading Change).
- - Developed plans to implement Supply Chain Management within the activity, developing associated performance metrics and leveraging local university research efforts. (Business Acumen)
- - Wrote a scholarly article describing the implementation efforts of Supply Chain Management within the Activity, which was accepted for peer-review publication in Army Sustainment magazine. (Leading Change)

Director, Manufacturing & Engineering Directorate, Crane Army Ammunition Activity, Crane, IN [GS-0340-14] (February 2009 – May 2014)

Directed the work of over 350 employees in several complex divisions with an annual budget of about \$50 million using Defense Working Capital Funds. Managed and directed all of the production and demilitarization operations of the Activity. Supervised subordinate supervisors, engineers, technical, administrative, clerical and trades personnel who perform activities in support of ammunition explosive

manufacturing operations, quality assurance, and engineering support. Promoted and administered a variety of management programs involving safety, equal employment opportunity, budgeting, training, hiring, disciplining, and continuous improvement. Key accomplishments included the following:

- Established a business group to support the managers with cost analyses, schedule optimization, workforce engagement, budget controls, customer relations and marketing for growth opportunities. (Leading Change)
- Improved business management skills within directorate to ensure effective and efficient use of resources. (Business Acumen)
- Improved safety performance, reducing recordable incidents from more than 6.0 to less than 2.0, and resulting in over 4 years without a loss time accident. (Results Driven)
- Led and completed an improvement project to reduce indirect overtime expenditure resulting in an annual savings of more than \$200 thousand, in addition to supporting numerous others with multi-million dollar savings. (Leading Change)
- Increased Defense Acquisition Workforce Improvement Act (DAWIA) certifications from 10% to 86%. (Leading People)

Deputy Site Project Manager for Operations / Assistant Project Manager, Newport Chemical Agent Disposal Facility, Newport, IN [GS-0893-14] (June 2000 – February 2009, excluding two year-long mobilization tours).

Provided overall technical advice for the site chemical agent disposal facility with overall responsibility for design, systemization, pilot testing, operations, and closure during the entire life cycle of the ten-year project with a cost of over \$1 billion. Managed over 30 project professionals (both Government and contractor): engineers, scientists, information technologists, and other project support people. Negotiated with other Government officials, Congressional staffers, State/local officials and private citizen groups for defining project goals and plans. Managed the project risk management program, which included: project control (using Primavera Project Planner for resource loaded schedules), safety, treaty compliance, and environmental compliance. I chaired a couple of Working-level Integrated Product Teams. Key accomplishments include the following:

- Managed the on-site technical assessment of the advanced technology development of the low-temperature and low-pressure neutralization process for destroying VX nerve agent that was different from the baseline technology of incineration previously selected by the Army. This resulted in the successful achievement of 99.9999% destruction of this chemical, which was in the range of 200 – 400 ng/ml in the hydrolysate depending upon the agent loading level. (Results Driven)
- Provided oversight over the analytical development for measuring small quantities of VX nerve agent within an organic liquid. I supported this by frequently presenting the project's technical information to the public through various public outreach efforts. (Building Coalitions)
- Improved safety throughout disposal facility project, reducing recordable injury rate by 90%. (Results Driven)
- Developed an effective and efficient Government oversight certification process. (Building Coalitions)

General Electric Plastics

Production Engineer, Mount Vernon, IN (June 1996 – June 2000).

Provided technical advice to the thermoplastic production. Assisted in the successful implementation of the following: Enterprise Resource Planning using Global Enterprise Manufacturing Management System, production scheduling using Numetrix Schedule X, Intranet based operating procedures, Electronic Document Management System, Computer Maintenance Management System, and bar-coding raw materials. Key accomplishments include the following:

- Using Six Sigma methodology, I increased First Pass Yield (FPY) from an average of 90% to over 95%. (Results Driven)
- Developed a project management process for Information Technology projects. (Leading Change)

Bayer Corporation (formerly known as Miles, Inc.)

Senior Process Engineer, New Martinsville, WV (October 1993 - June 1996).

Provided daily manufacturing engineering support to thermoplastic polyurethane production unit. Prepared equipment designs and reviewed / approved mechanical, electrical, structural, and process drawings. Worked on several multi-million dollar projects for improvements of the production unit, including conversion from compounding to reaction extrusion. Key accomplishments include the following:

- Improved quality testing and product delivery systems, resulting in cost avoidance of over \$1 million. (Results Driven)
- - Led a multi-discipline team to increase capacity by over 400% and reduce hazardous waste by 98%. (Results Driven)

Process Engineer Specialist, Pittsburgh, PA (July 1992 - October 1993).

Conducted chemical process simulations and process optimizations. Prepared equipment (distillation columns, heat exchangers, storage vessels, valves, and piping) designs. Conducted equipment ratings for this these in several polyurethane production units in Texas and West Virginia.

US Army – Military Rank Attained: Colonel (O-6). Retired August 2010.

Senior Logistics Support Officer, Army Sustainment Command, Camp Arifjan, Kuwait (November 2007 – January 2009).

Led several military / civilian teams to develop theater requirements for all US military contracts, combined value in excess of \$1 billion annually that provided essential life support services to all Soldiers located on all camps and ports throughout Kuwait, and several multi-national joint units supporting the overseas combat missions. This included training service members in military units to develop these requirements during their local Contracting Officer Representative training. Also supported many contracting actions through oversight of the contractors, the development of cost estimates, the establishment of realistic required delivery dates, assessing the quality of contracting services, and supporting the amendment of contracts. Provided military interface between supported units and the contractors. Advised combat commanders on the proper use of LOGCAP managed contracts to sustain service members, enhance war fighting capabilities, and improve quality of life. Coordinated US Army Central Command contract requirements. Supported appropriation packets to the Acquisition Review Board. Assisted Defense Contract Management Agency (DCMA) and Defense Contract Audit Agency in their contract administration of these contracts, including audits of expenditures. Key accomplishments include the following:

- Assisted in the definitization of Undefinitization Contract Actions resulting in \$148 million savings. (Business Acumen)
- - Oversaw the consolidation of over 200 contracts into 25 Reachback contracts back to the US. (Business Acumen)
- - Facilitated the development of ground, sea, and aviation logistics requirements and cost estimates to support full spectrum logistics. (Building Coalitions)

Executive Secretary, Army Science Board, Pentagon, District of Columbia (January 2005 – January 2006).

Under a one-year mobilization military tour. Managed, guided and controlled the activities of this board which consisted of 100 distinguished and accomplished leaders from academia, business, and industry, including retired senior General Officers. These leaders conducted studies and assessments on behalf of the Secretary of the Army and other senior army leaders in shaping the direction of the Army's multi-billion dollar RD&A Program. Edited and published technical reports for: modularity, technology, and deployability for Future Combat Systems; best business practices; Improvised Explosive Device defense; support to intelligence activities; information operations; electromagnetic pulse; capacity and capability of industrial base; and, vertical lift. Coordinated activities with sister military services and Defense Department boards.

Army reserve positions include senior leadership of combat units: Brigade Commander of the 464th Chemical Brigade (2006 - 2007) leading about 2,000 soldiers, both chemical and engineering, located in five separate states (PA, DE, MD, VA, and WV), including leading the Army Reserves only Consequence Management unit of staff specialists at Edgewood, MD. This included developing strategic plans and policies for the use of all Army Reserve chemical units for chemical / biological defense involving homeland defense. Battalion Commander of the 472nd Chemical Battalion (2002 - 2004) with command of both chemical and personnel soldiers located in two separate states (IN and IL), including preparing and sending hundreds of soldiers overseas in support of current contingency operations. Also, engineer staff officer (2000 - 2002) and contingency contracting for Korea (1998 - 2000), in addition to a DoD representative to the Department of Treasury, U.S. Customs Service, for the exchange of military technology (1994).

Additional Positions:

Other Army active positions include Chemistry Instructor at US Military Academy for planning, developing and presenting classroom instruction, chemical demonstrations and laboratory exercises for a university level general chemistry course of four sections of approximately twenty cadets each to become technically competent in general chemistry (1990 - 1992). Chemical / Training Officer of the 34th Support Battalion, a six-company aviation support battalion with over one thousand soldiers, for assisting unit commanders and tactical leaders to perform combat missions in a Chemical, Biological, Radiological, Nuclear and high- yield Explosives (CBRNE) environment (1985 - 1987). And Smoke Platoon Leader of the 46th Chemical Company (Smoke Generator) leading a smoke generator platoon consisting of three smoke squads totaling up to 33 soldiers (1984 - 1987).

Publications:

- Haraburda, S. [*Christian Controversies: Seeking the Truth*](#). Meaningful Publications. Spencer, IN, 2013.
- Haraburda, S., [*Premonitions of the Palladion Project: A Modern Project Management Fable*](#), Lulu Enterprises Publishing. Morristown, NC, 2008.
- Irvine, R.; Haraburda, S.; and Galbis-Reig, C., "[Combining SBR Systems for Chemical and Biological Treatment: the Destruction of the Nerve Agent VX](#)," *Water Science & Technology*, IWA Publishing, Vol 50, No 10, pp 11–18, 2004.
- Haraburda, S.; Masterson, R.; Clark, A.; Davis, M.; Klein, T.; and McCarty, G., "[Method and System for Electronic Recycle Inventory Tracking](#)," U.S. Patent and Trademark Office, # 6,516,280, awarded February 4, 2003.
- Tjahjadi, M.; Janssen, J.; Fischer, G.; Lin, Y.; Tadros, S.; Georgieva, G.; and Haraburda, S., "[Scaleless On-Line Rheometer Device](#)," U.S. Patent and Trademark Office, # 6,405,579, awarded June 18, 2002.
- Haraburda, S., "[Transport Phenomena of Flow through Helium and Nitrogen Plasmas in Microwave Electrothermal Thrusters](#)," PhD Dissertation, Michigan State University, 2001.
- Haraburda, S., "[Transport Properties of Plasmas in Microwave Electrothermal Thrusters](#)," MS Thesis, Michigan State University, 1990.

Patent Publications:

- Haraburda, S.; Masterson, R.; Clark, A.; Davis, M.; Clowers, C.; Dorris, D.; and Craddock, R., "[Method and System for Electronic Tracking of Packaging](#)," U.S. Patent and Trademark Office, #09/742,159, filed December 20, 2000, publication # 2002/0077722, June 20, 2002.
- Haraburda, S.; Masterson, R.; Clark, A.; Davis, M.; and McCarty, G., "[Method and System for Using Electronic Raw Material Tracking and Quality Control](#)," U.S. Patent and Trademark Office,

- #09/745,085, filed December 20, 2000, publication # 2002/0077718, June 20, 2002.
- Haraburda, S.; Masterson, R.; Clark, A.; Davis, M.; Dorris, D.; and Johnson, J., "[Method and System for Using Electronic Raw Material and Formula Verification](#)," U.S. Patent and Trademark Office, #09/742,967, filed December 20, 2000, publication # 2002/0077717, June 20, 2002.
- Haraburda, S.; Masterson, R.; Clark, A.; and Davis, M., "[Method and System for Using Electronic Downloadable Control Plans](#)," U.S. Patent and Trademark Office, #09/745,231, filed December 20, 2000, publication # 2002/0077715, June 20, 2002.
- Haraburda, S., "[Method and System for Monitoring Production Data](#)," U.S. Patent and Trademark Office, #09/465912, filed February 4, 2000; World Intellectual Property Organization, publication # WO 01/50209, July 12, 2001.
- Haraburda, S., "[Method and System for Visualizing a Production Schedule](#)," U.S. Patent and Trademark Office, #09/456763, filed December 7, 1999; World Intellectual Property Organization, publication # WO 01/41540, June 14, 2001.
- Haraburda, S., "[Method and System for Screen Saver Based Communications](#)," U.S. Patent and Trademark Office, #09/416626, filed October 12, 1999; World Intellectual Property Organization, publication # WO 01/27795, April 19, 2001.
- Haraburda, S., "Method and System for Electronically Capturing, Storing, Searching, and Retrieving Production Data," U.S. Patent and Trademark Office, # 09/498,035, filed February 4, 2000.

Oral Histories:

- Bayer, Michael J. Interview by Scott S. Haraburda. Transcript. *Army Science Board Member 1990 – 1992 and Chair 1998 – 2002*. ASB-008, Army Science Board Oral History Collection. Washington, DC: Center for Military History, September 15, 2005.
- Bonder, Seth. Interview by Scott S. Haraburda. Transcript and Video. *Army Scientific Advisory Panel Member 1973 – 1977 and Army Science Board Member 1977 – 1979, 1981 – 1988, and 1999 – 2004*. ASB-004, Army Science Board Oral History Collection. Washington, DC: Center for Military History, July 18, 2005.
- Braddock, Joseph V. Interview by Scott S. Haraburda. Transcript and Video. *Army Scientific Advisory Panel Member 1976 – 1977 and Army Science Board Member 1977 – 1984, 1994 – 2002, and Chair 2002 – 2004*. ASB-001, Army Science Board Oral History Collection. Washington, DC: Center for Military History, July 14, 2005.
- Delaney, Lawrence J. Interview by Scott S. Haraburda. Transcript and Video. *Army Scientific Advisory Panel Member 1973 – 1976 and Vice Chair 1976 – 1977 and Army Science Board Member 1981 – 1988, and Vice Chair 2004 – 2005*. ASB-014, Army Science Board Oral History Collection. Washington, DC: Center for Military History, July 13, 2005.
- Dobbs, Herbert H. Interview by Scott S. Haraburda. Transcript and Video. *Army Science Board Member 1994 – 1998 and 2003 – 2005*. ASB-007, Army Science Board Oral History Collection. Washington, DC: Center for Military History, July 15, 2005.
- Dodd, Robert G. Interview by Scott S. Haraburda. Transcript and Video. *Army Science Board Member 2003 – 2005*. ASB-002, Army Science Board Oral History Collection. Washington, DC: Center for Military History, July 15, 2005.
- Ernst, Major General (retired) Joe M. Interview by Scott S. Haraburda. Transcript and Video. *Army Science Board Consultant 1999 – 2005*. ASB-010, Army Science Board Oral History Collection. Washington, DC: Center for Military History, July 12, 2005.
- Gallagher, Colonel (retired) Herbert J. Interview by Scott S. Haraburda. Transcript and Video. *Army Science Board Executive Secretary 1993 – 1996*. ASB-009, Army Science Board Oral History Collection. Washington, DC: Center for Military History, July 14, 2005.
- Garner, Captain Benjamin C. Interview by Scott S. Haraburda. Transcript and Video, "Army Science Board Staff Assistant 2004 – 2005," ASB-015, Army Science Board Oral History Collection. Washington, DC: Center for Military History, July 14, 2005.

- Grasso, Alfred. Interview by Scott S. Haraburda. Transcript and Video. *Army Science Board Member 2004 – 2005*. ASB-011, Army Science Board Oral History Collection. Washington, DC: Center for Military History, July 12, 2005.
- Grum, Allen F. Interview by Scott S. Haraburda. Transcript and Video. *Army Science Board Member 1988 – 1995*. ASB-006, Army Science Board Oral History Collection. Washington, DC: Center for Military History, July 13, 2005.
- Joyner, Albert Wayne. Interview by Scott S. Haraburda. Transcript and Video. *Army Science Board Executive Assistant 1997 – 2005*. ASB-005, Army Science Board Oral History Collection. Washington, DC: Center for Military History, July 11, 2005.
- Kornguth, Steven. Interview by Scott S. Haraburda. Transcript and Video. *Army Science Board Member 2004 – 2005*. ASB-003, Army Science Board Oral History Collection. Washington, DC: Center for Military History, July 13, 2005.
- Montgomery, Richard A. Interview by Scott S. Haraburda. Transcript and Video. *Army Scientific Advisory Panel Member 1968 – 1970, 1976 – 1977 and Vice Chair 1970 – 1975 and Army Science Board Member 1977 – 1981, 2004 – 2005, and Chair 1981 – 1983*. ASB-018, Army Science Board Oral History Collection. Washington, DC: Center for Military History, July 19, 2005.
- Neal, William J. Interview by Scott S. Haraburda. Transcript and Video. *Army Science Board Member 1992 – 1998 and 2004 – 2005*. ASB-017, Army Science Board Oral History Collection. Washington, DC: Center for Military History, July 18, 2005.
- Perna, Roberta-Diane. Interview by Scott S. Haraburda. Transcript and Video. *Army Science Board Member 2002 – 2005*. ASB-016, Army Science Board Oral History Collection. Washington, DC: Center for Military History, July 18, 2005.
- Santarelli, Joseph. Interview by Scott S. Haraburda. Transcript and Video. *Army Science Board Member 2004 – 2005*. ASB-019, Army Science Board Oral History Collection. Washington, DC: Center for Military History, July 20, 2005.
- Swan, Peter. Interview by Scott S. Haraburda. Transcript and Video. *Army Science Board Member 2004 – 2005*. ASB-020, Army Science Board Oral History Collection. Washington, DC: Center for Military History, July 20, 2005.
- Vaughan, Brenda. Interview by Scott S. Haraburda. Transcript and Video. *Contract Support to the Army Science Board 1990 – 2005*. ASB-013, Army Science Board Oral History Collection. Washington, DC: Center for Military History, July 15, 2005.
- Wartell, Michael A. Interview by Scott S. Haraburda. Transcript and Video. *Army Science Board Member 1981 – 1987 and 1999 – 2005*. ASB-012, Army Science Board Oral History Collection. Washington, DC: Center for Military History, July 19, 2005.

In Progress:

- Haraburda, S., “Transforming Military Support Processes from Logistics to Supply Chain Management,” *Army Sustainment*. [accepted 2015].
- Haraburda, S., *Army Science Board – Behind the Army’s Evolution from the Korean War to the War on Terrorism*, Center for Military History [ongoing].
- Haraburda, S., *The Project Leader*, [ongoing].

Other Publications and Reports:

- Haraburda, S. and Zilafro, L., “[Developing a Continuous Improvement System](#),” *Defense AT&L*, Defense Acquisition University Press, vol. 41, no. 1, 2012.
- Benstin, M.; Benston, D.; and Haraburda, S., “[Using Value Engineering to Reduce Lifecycle Cost](#),” *Defense AT&L*, Defense Acquisition University Press, vol. 40, no. 1, 2011.
- Haraburda, S.; Bloom, F.; and Keck, R., “[Contracting Agility in LOGCAP-Kuwait](#),” *Army Logistician*, PB 700–09–04, July – August 2009.

- Haraburda, S. "[Chemical, Biological, Radiological, Nuclear, high-Explosive Leadership Rules](#)," *Army Chemical Review*, Fort Leonardwood, PB 3-07-3, Winter 2007.
- Haraburda, S. "[US Army Reserve Support for Domestic Response to a Chemical Incident](#)," *Army Chemical Review*, Fort Leonardwood, PB 3-07-1, Jan-Jun 2007.
- Haraburda, S., "[PROGRAM MANAGEMENT: The 'Seven Sins of Memory' – How They Affect Your Program](#)," *Defense AT&L*, Defense Acquisition University Press, vol. 36, no. 1, 2007.
- Haraburda, S., "[Army Science Board – Providing a Half Century of Scientific Advice and Guidance](#)," *Army Acquisition, Logistics, and Technology*, PB 70-06-01, January-March, 2006.
- Haraburda, S. and Gary, J., "[Certification for Government Oversight Manufacturing](#)," *Defense AT&L*, Defense Acquisition University Press, vol. 33, no. 4, 2004.
- Haraburda, S., "Balkan Conflict, NATO Operation ALLIED FORCE, March – June 1999," Research Report, Air War College, 2003.
- Haraburda, S., "[Performance Measurement: Newport Chemical Agent Disposal Facility Project Management Team – Leveraging Fidelity of Performance-Based Metric Tools for Project Management](#)," *Program Manager*, Defense Acquisition University Press, vol. 32, no. 1, 2003.
- Haraburda, S., "[Special Report: The Plant Engineer and the Internet - Developing an e-Commerce Strategy](#)," *Plant Engineering*, Cahners Publications, vol. 54, no. 11, 2000.
- Haraburda, S., and Chafin, S., "Calculating Two-Phase Pressure Drop," *Fluid Flow Annual - A Desktop Reference, Chemical Processing*, Putman Publishing, 2000.
- Haraburda, S., "Dilute-phase Pneumatic Conveying," *Powder & Solids Annual - A Desktop Reference, Chemical Processing*, Putman Publishing, 2000.
- Haraburda, S., "Selecting a Pneumatic Conveying System," *Powder & Solids Annual - A Desktop Reference, Chemical Processing*, Putman Publishing, 2000.
- Haraburda, S., "7 Steps to Proper Conveying," *Chemical Processing*, Putman Publishing, vol 63, no. 2, 2000.
- Green, D. and Haraburda, S., "Case in Point: Opening the Door to Trouble," *Chemical Processing*, Putman Publishing, vol 62, no. 12, 1999.
- Haraburda, S., "[Management Side of Engineering: Building a Quality, Intranet-Based Document Management System](#)," *Plant Engineering*, Cahners Publications, vol. 53, no. 11, 1999.
- Green, D. and Haraburda, S., "Case in Point: Fired for theft, or for disability," *Chemical Processing*, Putman Publishing, vol 62, no. 10, 1999.
- Green, D.; Arnoff, A.; and Haraburda, S., "Case in Point: Some Bad Behavior Gets Worse – Ignoring Sexual 'Horseplay' Lands Company and Managers in Court," *Chemical Processing*, Putman Publishing, vol. 62, no. 3, 1999.
- Haraburda, S., "[Management Side of Engineering: Reaching Toward Six Sigma Performance - Screen Saver Tool Keeps Employees Informed, Connected](#)," *Plant Engineering*, Cahners Publications, vol. 53, no. 1, 1999.
- Haraburda, S., "Two-Phase Flow," *Fluid Flow Annual - A Desktop Reference, Chemical Processing*, Putman Publishing, 1997, 1998, 1999.
- Haraburda, S., "Dilute-phase Pressure Conveying," *Powder & Solids Annual - A Desktop Reference, Chemical Processing*, Putman Publishing, 1997, 1998, 1999.
- Haraburda, S., "Development of Power Sources," US Army Communications-Electronics Command (CECOM), internal article (considered for publication in *Army RD&A*), 1997.
- Haraburda, S. "[Estimating Vapor Pressures of Pure Liquids](#)," *Chemical Engineering*, McGraw-Hill, vol. 103, no. 3, March, 1996.
- Haraburda, S., *Practical Chemical Engineering Calculations Handbook*, an internal Bayer Corporation Reference Electronic Handbook, 1995.
- Haraburda, S., "[Three-Phase Flow? Consider Helical-Coil Heat Exchanger](#)," *Chemical Engineering*, McGraw-Hill, vol. 102, no. 7, July, 1995.

Presentations at Technical Meetings and Symposia [(I) indicates invitation]:

- (I) Haraburda, S. "Government Contracting for Engineers." *76th Annual Conference*, Indiana Society of Professional Engineers, June 2013.
- (I) Haraburda, S. "Ammunition Engineering Safety in Indiana." *76th Annual Conference*, Indiana Society of Professional Engineers, June 2013.
- Gary, J.; Brubaker, J.; Haraburda, S.; Summers, M.; and Gary, L., "Using PLAYBOOKS – a Unique Strategy in Technical Oversight of Highly Hazardous Operations," *11th Process Plant Safety Symposium*, American Institute of Chemical Engineers, April 2009.
- (I) Haraburda, S., "Success by Surviving Changes," William B. Nolde Lecture Series, February 2009.
- (I) Haraburda, S., "Malcolm Baldrige Award," American Society for Quality, Wabash Valley Chapter Monthly Meeting, October 2007.
- O'Hearn, P. and Haraburda, S., "Newport Army Chemical Depot Uses Lean Six Sigma," *2007 Six Sigma Conference*, American Society for Quality, February 2007.
- (I) Haraburda, S. and Lander, D., "Low Level VX Nerve Agent Detection Development for the Newport Chemical Agent Disposal Facility," *36th Central Regional Meeting*, American Chemical Society, June, 2004.
- (I) Haraburda, S., "Chemical Warfare: What Every Chemist Should Know," *36th Central Regional Meeting*, American Chemical Society, June, 2004.
- (I) Haraburda, S. and Gary, J., "Using Six Sigma to Improve Safety," International Council on Systems Engineering, Crossroads of America Chapter, Spring Mini-Conference, May, 2004.
- (I) Haraburda, S., "Neutralization of VX: Using Unclassified Information from the Newport Project," American Chemical Society, Indianapolis Chapter, January, 2004.
- (I) Haraburda, S., "Neutralization of VX: Using Unclassified Information from the Newport Project," American Chemical Society, Wabash Valley Chapter, December, 2003.
- (I) Haraburda, S., "Performance-Based Metrics: Using Unclassified Examples from the Newport Project," International Council on Systems Engineering, Crossroads of America Chapter, October, 2003.
- Haraburda, S.; Hawley, M.; and Asmussen, J., "[Review of Experimental and Theoretical Research on the Microwave Electrothermal Thruster](#)," World Space Congress, August, 1992.
- Haraburda, S. and Hawley, M., "[Theoretical Nozzle Performance of a Microwave Electrothermal Thruster Using Experimental Data](#)," *28th Joint Propulsion Conference*, July, 1992.
- (I) Haraburda, S., "[Developmental Research for Designing a Microwave Electrothermal Thruster](#)," *18th Army Science Conference*, June, 1992.
- Haraburda, S.; Hawley, M.; and Dinkle, D., "Theoretical Modeling of Diagnostic Evaluations of Microwave Generated Plasma Systems," *22d International Electric Propulsion Conference*, October, 1991.
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