

John D. Johnson

Home: 4745 Lindbergh Drive, Bettendorf, Iowa 52722 USA

Office: 400 19th Street, Moline, Illinois 61265 USA

Office: 309-765-9961 Cellular: 309-781-6461 Fax: 309-749-3115

john@johndjohnson.com

EDUCATION

The University of Texas at Austin, Austin, TX

Ph.D. in Physics **1992**

Dissertation: "Search for An Eta-Nuclear Bound State In The Double Charge Exchange Reaction 180(PI+, PI-)18NE(DIAS)"

Honors: Phi Kappa Phi Honor Society

Michigan State University, East Lansing, MI

M.S. in Physics **1988**

Concentration: Accelerator Physics, National Superconducting Cyclotron Laboratory

Michigan Technological University, Houghton, MI

B.S. Physics **1986**

Activities: Student Council, Society of Physics Students (region & national), Journalism, Computer Operator.

CERTIFICATION

- Certified Information Systems Security Professional (CISSP) **2000 – present**

EXPERIENCE

John Deere Corporation, Moline, IL

Sr. Computer Security Project Manager **1999-Present**

- Responsible for enterprise antivirus management program. Development, testing, deployment, processes and support of enterprise antivirus and spyware solutions.
- Responsible for enterprise vulnerability management, web application assessments and penetration testing. Worked closely with teams to develop server, desktop, network, email and developer security standards. Manage infrastructure for network and application scanning.
- Responsible for enterprise strong authentication, including management of SecurID tokens, accounting and support. Developed roadmap for moving from passwords to multi-factor authentication. Worked closely with help desk to provide customer support and training.
- Review and recommend security for supplier and joint venture remote access connections to enterprise. Support authentication for all remote access VPN connections.
- Develop disaster recover planning documentation for security and incident response.
- Provide consulting and support for encryption, secure email, intrusion detection, password management, web security, web authentication, regulatory compliance (including, HIPAA, SOX, GLB, PCI Certification, international import/export), wireless security, security architecture.
- Experienced project manager and technical lead for major enterprise initiatives, involving >50,000 network nodes, international locations and deployment across multiple platforms with virtual teams often exceeding 50 members. Includes working on a daily basis with employees and customers internationally.
- Involved in semi-annual training on security topics for enterprise, including training in Germany in 2006.
- Provide IT audit support globally. Visited sites in US and Germany and traveled to India for site audit in 2007.

St. Ambrose University, Davenport, IA

Adjunct Professor **2003-Present**

Developed course plans and taught undergraduate and graduate classes:

- CSCI 435/640 Legal and Ethical Issues In Computing (2)
- ASTR 201 Astronomy (11)

- CSCI 630 Information Assurance (1)

Eastern Iowa Community College, Bettendorf, IA

Adjunct Professor

2004-Present

Developed course plans, taught labs and lectures for:

- PC 135 Survey of Physics (1)
- PHS 152 (SC 125) Astronomy (16)

PPSA Consulting, Santa Fe, NM

Self-Employed, IT Consulting and Internet Sales

1997-1999

Provided extensive computer security and networking consulting to Los Alamos National Laboratory and other government agencies and New Mexico businesses.

Los Alamos National Laboratory, Los Alamos, NM

Computer Security and Network Manager, T-Division

1996-1997

Responsible for computer security (OCSR) for LANL Theoretical Division. Managed major network upgrade for nearly a thousand computers on separate LANs. Managed computer support team for multi-platform environment. Top Secret Q-clearance.

Los Alamos National Laboratory, Los Alamos, NM

Postdoctoral Fellow

1993-1996

Project leader for the design/development of several Long-Range Alpha Detector (LRAD) systems for environmental and DoD applications. As project leader, coordinated all levels of experimental effort from hardware/software development to ES&H training, travel and field work. Positions involved extensive writing of ES&H documents, reports and proposals. Developed \$500k in FY94/95 funding. Position involved interacting with DOE and DoD customers and technology transfer with an industrial partner. Q-clearance.

The University of Texas at Austin, Austin, TX

Research Assistant

1989-1992

- Coordinated and supervised two pion physics experiments at Los Alamos Meson Physics Facility (LAMPF). Projects involved extensive setup and analysis of thesis data. Team member on many other research projects.
- Involved in planning and setting-up hardware and software, data taking and data analysis for nucleon-nucleon experiments at LAMPF and TRIUMF. Worked on the construction of several wire chambers. Served as safety representative for LANL.

National Superconducting Cyclotron Laboratory, East Lansing, MI

Research Assistant

1988-1989

Position involved superconducting magnet design, ion beam transport, high speed data acquisition, computer programming, use of large computer codes. Primary researcher for heavy ion beam diagnostics using fiber optics and beam profiling with fluors. Performed independent cost/benefit analysis comparing superconducting spectrograph systems.

Michigan State University, East Lansing, MI

Teaching Assistant

1986-1987

Taught three undergraduate physics lab sections. Supervised several undergraduate employees. Graded, instructed, and helped to administer self-paced physics programs for undergraduates and graduate students. Co-administered extension program in Birmingham, Michigan (1987).

Michigan Technological University, Houghton, MI

Consultant/Student

1983-1986

- (1986) Design and consulting on development of high vacuum positron correlation equipment.
- (1983-1985) Employed in various capacities as student computer operator/batch station manager.

RELATED TRAINING

- Foundstone Ultimate Hacking (2005); Foundstone Ultimate Hacking Advanced (2006)
- Firewall-1 (Nokia/Checkpoint) Certified System Administrator; ISS Internet Scanner
- Windows XP SP2 Security; Windows ISA Server; Symantec Endpoint Protection; Web Inspect
- SANS security training, RSA Conference participant (2001-2008); Black Hat 2008-2009
- Foundations Skills; Coaching Skills; Performance Coach & Mentor; Team & Facilitator Skills
- Project Mgmt & Leadership Skills; Complex Projects; Leadership & Communication; Risk Management; Global Project Management; Strategic Project Management, Leading Change; Cost & Scheduling, Legislative Project Management School; Capitol Hill Staff Training School
- Quality Training and Process Management; HAZWOPER 40-HR
- AIX/Unix Training; Bridges, Routers & Switches; LAN/WAN Protocols; Network Fundamentals

PUBLICATIONS, PROJECTS AND PRESENTATIONS

- 44 publications, available upon request.
- Textbook reviewer (1995, Textbook: Physics, Author: Paul A. Tipler).
- Security consultant: Developed computer ethics course for ITT Tech (2006). Developed three security concentration courses for graduate MSITM graduate degree and two Capstone (2009).
- Distinguished lecturer with IEEE, speaking ethics, computer security and science.
- Application Security Mythbusters Podcast Interview, November 19, 2008 (interview).
- Black Hat Executive Briefings 2008 (Speaker), Black Hat Conference 2009 (2 panels).
- "Cloud Security", Springfield FBI Infragard Cyber-Security Conference, 2009 (speaker).
- "Cyber Security", Skeptically Speaking Radio Interview, July 2009.
- "Seizing Management Power", SC Magazine, November 2009 (interview).
- "Insider Threat", SC Magazine Symposium, January 2010 (keynote speaker).
- Computer Security/Science Blog, <http://www.johndjohnson.com>.

LANGUAGES

- English – native language; German – basic competence; Portuguese – basic competence

MEMBERSHIPS, ACTIVITIES AND AWARDS

- QCESC 2008 Senior Scientist of the Year (awarded Feb 2009)
- Institute of Electrical and Electronics Engineers (IEEE) Senior Member:
IA-IL Section Member at Large (2003-2004), Secretary (2005), Treas. (2006), Vice Chair (2007), Chair (2008), Past Chair (2009), QCESC Representative (2008-2009), Region 4 Education Chair (2009-present), Computer Society Chapter (IA-IL Section) Chair & Founder (2009-2010)
- Quad City Engineering and Science Council (QCESC), Representative (2008-2009), President-Elect (2010).
- FBI Infragard, Treasurer, Springfield Chapter 2009-2011
- Executive Security Action Forum (member); Chicago CISO Group (member)
- CISSP Certified (ISC)2
- American Astronomical Society (AAS); American Association of Physics Teachers (AAPT); American Physical Society (APS); Phi Kappa Phi Honor Society
- EMC/RSA, Symantec, McAfee/Foundstone, Trend Micro, HP Customer Advisory Councils
- RSA Conference 2008 Planning Committee
- John Deere Advanced Mastery Coach
- Rotary Paul Harris Fellow

REFERENCES

- Available Upon Request
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