CURRICULUM VITAE
Alec Yasinsac

1. Summary

Dr. Yasinsac is presently Professor and Dean of the School of Computing at the University of South Alabama. Prior to accepting this position, he spent nine years as a research professor focusing on information security.

His voting specific activities include:

- Conducted a Risk Analysis and Elections Operation Assessment for the U.S. Elections Assistance Commission (EAC)
- Led seven voting system security reviews for the state of Florida, including the seminal CD13 source code review and the first formal review of an electronic remote voting system (i.e. Internet voting)
- Consulted internationally on voting system policy, design, and implementation issues
- Sat on two EAC VVSG round table discussions
- Served as co-chair of the ACM Public Policy subcommittee on voting and lead their VVSG2007 comment effort
- Helped organize the National Academy of Engineering 2007 National Meeting Symposium on Electronic Voting
- Testified before several government bodies on electronic voting system issues
- Numerous publications, panels, and invited talks on voting system security

2. Biographical Information
   (a) Citizenship: US
   (b) Academic degrees
      (1) Doctor of Philosophy, Computer Science, University of Virginia, 1996
      (2) Master of Science, Computer Science, Naval Postgraduate School, 1986
      (3) Bachelor of Science, Mathematics, Appalachian State University, 1979
   (c) Academic Full Time Positions
      (1) Professor and Dean, School of Computer and Information Sciences, University of South Alabama, 2008 to present
      (2) Associate Professor of Computer Science, Florida State University, August 2005-2008
      (3) Assistant Professor of Computer Science, Florida State University, August 1999-2005
      (4) Assistant Professor of Naval Science, University of Virginia, July 1990-October 1993
   (d) Other Professional Positions
      (1) Visiting Scholar, National Academy of Engineering, September 2006
      (2) Associate Professor of Computer Science, Florida A&M University, March 2006
      (3) Visiting Professor, Harris Corporation, Melbourne Florida, June 2002
      (4) Officer, United States Marine Corps, May 1979- July 1999
   (e) Professional Society Memberships
      (1) Senior Member, IEEE

(2) Member, IEEE Computer Society

(3) Senior Member, ACM

3. Relevant Publications

(1) Alec Yasinsac, "Independent Computations for Safe Remote Electronic Voting", Security Protocols XXI, 21st International Workshop, March 18-20th, 2013, Sidney Sussex College, Cambridge, UK, LNCS 8263, ISBN 978-3-642-41716-0

(2) Alec Yasinsac, "A Model For Managing System Insiders", the Hawaii International Conference on System Sciences (HICSS-46), 7-10 January, 2013

(3) Harold Pardue, Jeff Landry, and Alec Yasinsac, "E-Voting Risk Assessment: A Threat Tree for Direct Recording Electronic Systems," International Journal of Information Security and Privacy (IJISP), Vol. 4, Issue #3 (2011), pp. 19-35

(4) Alec Yasinsac, "Did Your Mailed Ballot Count: The Unrecognized Unreliability of Voting By Mail," The 9th International Conference on Politics and Information Systems, Technologies and Applications, July 19th - July 22nd, 2011

(5) Yasinsac, A, and Pardue, H, "Voting System Risk Assessment: A Process Using Threat Trees," Journal of Information Systems Applied Research, Vol. 4, Issue #1, April 2011

(6) Alec Yasinsac, "Comparative Risk Analysis: Using Technology to Make Military Members First Class Voters," 2nd International Conference on Society and Information Technologies, March 27-30, 2011

(7) Alec Yasinsac, "Insider Threats to Voting Systems," Workshop on Governance of Technology, Information, and Policies (GTIP), December 7, 2010

(8) J. Harold Pardue and Alec Yasinsac, "Voting System Risk Assessment Using Threat Trees," 2010 Conference on Information Systems Applied Research, Oct 28-31, 2010 (Distinguished paper)

(9) J. Harold Pardue, Alec Yasinsac, and Jeffrey P. Landry, "Towards Internet Voting Security: A Threat Tree for Risk Assessment," International Conference on Risks and Security of Internet and Systems 2010, October 10-13, 2010

(10) Harold Pardue, Jeff Landry, and Alec Yasinsac, "A Risk Assessment Model for Voting Systems using Threat Trees and Monte Carlo Simulation", First International Workshop on Requirements Engineering for E-voting Systems, Atlanta, Georgia, USA Monday, August 31st, 2009

(11) Sean Peisert, Matt Bishop, and Alec Yasinsac, "Vote Selling, Voter Anonymity, and Forensic Logging of Electronic Voting Machines," 42st Hawaii International Conference on System Sciences, January 5-8, 2009

(12) Alec Yasinsac and Matt Bishop, "Of Paper Trails and Voter Receipts", Proceedings of the 41st Hawaii International Conference on System Sciences, January 7-10, 2008

(13) Alec Yasinsac and Matt Bishop, "The Dynamics of Counting and Recounting Votes", IEEE Security and Privacy Magazine, May-June 2008, Volume: 6, Issue: 3, pp. 22-29

(14) Todd McDonald, Yong C. Kim, and Alec Yasinsac, "Software Issues in Digital Forensics," *ACM Operating Systems Review*, Volume 42 Issue 3, April 2008

(15) Alec Yasinsac and J. Todd McDonald, "Tamper Resistant Software Through Intent Protection", the *International Journal of Network Security*, Vol. 7, No. 3, pp. 370-382

Updated: 4/28/21

(16) Alec Yasinsac and J. Todd McDonald, "Security-Aware Coding", *39th Annual Hawaii International Conference On System Sciences, Mini-track on Information Security Education and Foundational Research*, Jan. 4-7, 2006

(17) Alec Yasinsac, "Identification: Remote Attestation", Chapter 11 in <u>Wireless Sensor Network Security</u>, Cryptology & Information Security Series (CIS), IOS Press, November, 2007, ISBN: 978-1-58603-813-7

4. Reports, Posters, and Position Papers

(1) Kristine Amari, Ryan Gardner, Brian Hay, John Kerski, Kara L. Nance, and Alec Yasinsac, "Software Review and Security Analysis of the Diebold Voting Machine Software, Premier TSx Version 4.7.1 Supplement", Security and Assurance in Information Technology Laboratory, Florida State University, December 19, 2007, for the Florida Department of State

(2) Alec Yasinsac, John Kerski, David Gainey, Michael Gerke, Kristine Amari, and Donald Newell, "Software Review and Security Analysis of the Diebold Voting Machine Software", TSX Supplement, For the Florida Department of State, September 28, 2007, www.soc.southalabama.edu/~yasinsac/Evoting/DieboldSupplementFinalDec2007.pdf

(3) Alec Yasinsac, Breno de Medeiros, David Gainey, John Kerski, Zachary Hartley, Ryan Walega, and Michael Gerke, "Software and Security Review for Elections Systems and Software iVotronic Firmware Versions 9.1.8.0 and 9.2.0.0", Final Report, For the Florida Department of State, August 14, 2007, http://www.soc.southalabama.edu/~yasinsac/Evoting/FinalReprisePosted.pdf

(4) David Gainey, Michael Gerke, and Alec Yasinsac, "Software Review and Security Analysis of the Diebold Voting Machine Software", Supplemental Report, For the Florida Department of State, August 10, 2007, http://www.soc.southalabama.edu/~yasinsac/Evoting/DieboldRepriseAug2007.pdf

(5) Ryan Gardner, Alec Yasinsac, Matt Bishop, Tadayoshi, Kohno, Zachary Hartley, John Kerski, David Gainey, Ryan Walega, Evan Hollander, and Michael Gerke, "Software Review and Security Analysis of the Diebold Voting Machine Software", Final Report For the Florida Department of State, July 27, 2007, http://www.soc.southalabama.edu/~yasinsac/Evoting/DieboldJuly2007.pdf

(6) A. Yasinsac, D. Wagner, M. Bishop, T. Baker, B. de Medeiros, G. Tyson, M. Shamos, and M. Burmester, "Software Review and Security Analysis of the ES&S iVotronic 8.0.1.2 Voting Machine Firmware, Final Report", Security and Assurance in Information Technology Laboratory, Florida State University, February 23, 2007, http://www.soc.southalabama.edu/~yasinsac/Evoting/CD13FinalReportFeb2007.pdf.

5. Invited talks

(1) "Voting System Risk Analysis", Nat'l Association of State Election Directors (NASED). 2009 Summer Meeting, San Diego, CA, August 14-16, 2009

(2) "Risk in Voting Systems," International Association of Clerks, Recorders, Election Officials and Treasurers (IACREOT), July 7-11, 2009, Spokane, Washington

(3) "Considering Risk in Overseas Voting Systems", National Institute on Standards and Technology (NIST) meeting on UOCAVA Voting System Objectives, June 29-30, 2009, Gaithersburg, MD

(4) "No Status Quo for Military and Overseas Voters", Overseas Vote Foundation 2009 Third Annual UOCAVA Summit, February 5, 2009

(5) "Insider-free Computing," Dagstuhl Seminar Proceedings 08302 "Countering Insider Threats", July 2008

(6) "Application Security", Florida Department of Juvenile Justice, October 26, 2007

(7) "The SAIT Diebold Report", The Election Verification Network, August 23, 2007, Middletown, CT

(8) "Security in Voting Systems: Removable Media and Secure Software", National Association of State Elections Directors, August 11, 2007, New Orleans, La.

(9) "Security Aware Software", Tallahassee Technology Alliance, Tallahassee Florida, Sept 30, 2005, http://www.taltech.org

6. Testimony and Statements Before Government Proceedings

(1) Alec Yasinsac, written testimony the U.S. House of Representatives, Committee of House Administration, Voting Subcommittee hearing on "Military and Overseas voting, Problems and potential solutions", May 21, 2009, http://cha.house.gov/view_hearing.aspx?r=50

(2) Alec Yasinsac, Testimony before the U.S. Elections Assistance Commission Interdisciplinary Roundtable Discussion of TGDC Proposed Voluntary Voting System Guidelines, May 5, 2008

(3) Alec Yasinsac, Written testimony to the U.S. Elections Assistance Commission Interdisciplinary Roundtable Discussion of TGDC Proposed Voluntary Voting System Guidelines, May 5, 2008, http://www.eac.gov/News/docs/testimony_alec_yasinsac_fsu/attachment_download/file

(4) Alec Yasinsac, Testimony before the U.S. Elections Assistance Commission Roundtable Discussion of Proposed Voluntary Voting System Guidelines, Austin, Texas, December 11, 2007

(5) "Software Independence", Alec Yasinsac, Written testimony to the U.S. Elections Assistance Commission Roundtable Discussion of Proposed Voluntary Voting System Guidelines, Austin, Texas, December 11, 2007, http://www.eac.gov/News/docs/2007-meetings-and-hearings-12-11-07-meeting-softwareindependence-yasinsac.pdf/attachment_download/file

(6) "Open Ended Vulnerability Testing", Alec Yasinsac, Written testimony to the U.S. Elections Assistance Commission Roundtable Discussion of Proposed Voluntary Voting System Guidelines, Austin, Texas, December 11, 2007, http://www.eac.gov/News/docs/2007-meetings-and-hearings-12-11-07-meeting-oevt-yasinsac.pdf/attachment_download/file

(7) Alec Yasinsac, "Voter Intent," Comments on Florida preliminary draft rule 1S-2.027 for discussion at the workshop on November 29, 2007, November 28, 2007

(8) Alec Yasinsac, "Comments on Rule #1S-2.004. Procurement, Use and Assessment of Voting Systems," Testimony before the Florida Department of State, Rules Meeting regarding Voting System Certification, June 10, 2006. http://election.dos.state.fl.us/laws/proposedrules/pdf/partA_pubCom_r1s_2_004_2_015.pdf (pages 21-24)