CURRICULUM VITAE

Jan Eloff

2018

BIOGRAPHICAL DATA

Surname	Eloff
First name	Jan Harm Petrus
Title	Professor,
Date of birth	
Citizenship:	South African
Contact detail	

Cell number
email
Family status

Buckley (Young Boy) a Kerry Blue Terrier

Animals

Web site   http://www.cs.up.ac.za/cs/eloff/

Synopsis

Jan Eloff holds the DRS Chair in Cyber-security and is appointed as full Professor in Computer Science. He is also appointed as Deputy Dean: Research and Postgraduate Studies in the Faculty of Engineering, Built Environment and IT at the University of Pretoria. From 2008 to 2015 he had a dual appointment as Research Director for SAP Research in Africa and as Professor in Computer Science.

His expertise focusses on: Cyber-security Research & Education; Innovation Leadership and Management in both industry & academic environments; and Computer Science Education. He enjoys working in a multi-disciplinary environment supported by cross cutting application domains.

He holds a B rating from the National Research Foundation in South Africa indicating that he receives considerable international recognition for his research in safeguarding platforms against societal and organisational cyber-threats. He is also a leading international scholar in conducting research in the convergence of Cyber-security and Big Data & Data Science. He has published widely in leading international journals. In 2018 he published a scholarly book on Software Failure Investigations. He is an associate editor of Computers & Security, the worlds leading journal for the advancement of Cyber-security.

He is the co-inventor of a number of patents registered in the USA.

Table of Contents

1. QUALFICATIONS AND WORK EXPERIENCE

1.1. ACADEMIC QUALIFICATIONS OBTAINED

Degree	Field of study	Higher education institution	Period	Year of graduation	Distinctions
PhD	Computer Science	University of Johannesburg	1982 – 1984	1985	
MSc. Computer Science	Computer Science	University of Johannesburg	1980	1981	Cum Laude
B.Sc. Honors	Computer Science	University of Johannesburg	1979	1979	Cum Laude
B.Sc. Computer Science	Computer Science	University of Johannesburg	1976 – 1978	1978	Computer Science

1.2. WORK EXPERIENCE TO DATE

Name of employer	Capacity and/or type of work	Period
University of Pretoria	Deputy Dean: Research and Postgraduate Studies in Faculty of Engineering, Built Environment and IT Full Professor	Jul 2016 - current
SAP Research / SAP South Africa (Pty) Ltd	Research Director	Jan 2009 – Jun 2015
University of Pretoria	Professor Extraordinaire Full Professor Head of Department, Department Computer Science Head of the School of Information Technology	2009 2015 2002 – 2009
CSIR (Meraka)	CSIR Chief Researcher	Jul 2011 – Mar 2012
Eloff Information Management Consultants	Co-founder & Director	1998 + 2015
Computer Directions	Co-founder & Director	1992 – 1995
University of Johannesburg	Full Professor at RAU Standard Bank Academy for Information Technology	Jan 1988 – Sep 2002
University of Zurich	Guest professor on invitation at University of Zurich, Switzerland for the summer semester.	2000 and 1994
Sasol	Manager Information Centre	Jan 1985 – Dec 1987
Arthur Andersen	Senior consultant	Jan 1983 – Dec 1984
University of Johannesburg	Lecturer	1983

2. MANAGEMENT AND ADMINISTRATIVE DUTIES (LEADERSHIP)

Involvement in departmental activities (e.g. administrative functions), faculty (e.g. faculty committees) or other university activities

2016 +	Deputy Dean Research and Postgraduate Studies, Faculty of Engineering, Built Environment, University of Pretoria
2009 – 2015	Research Director, SAP Research Centre, Pretoria, South Africa
2005 – 2008	Chairperson, School of Information Technology, University of Pretoria
2002 – 2008	Head of Department, Department Computer Science, University of Pretoria

3. RESEARCH

3.1. RESEARCH FIELD & H-INDEXES

FIELD: Computer Science	**SPECIALITY:**
	Cyber-security: Safeguarding platforms against societal and organisational cyber-threats. & Convergence of **Cyber-security and Big Data & Data Science**
H-INDEXES: January 2018	Google Scholar 33 Scopus 20 WoS 7

3.2. SUPERVISION OR CO-SUPERVISION (COMPLETED)

3.2.1. DOCTORATE

Name of student	Title of dissertation/ thesis	Date
Bihina Bella MA	A near-miss analysis model for improving the forensic investigation of software failures	2015
Loock M	CBAC - A model for conflict-based access control	2013
Padayachee K	An aspect-oriented approach towards enhancing Optimistic Access Control with Usage Control	2010
Da Veiga A	Cultivating and Assessing Information Security Culture	2009
Coetzee M	Access control in web services environments	2006
Venter HS	New approaches to network security	2003
Botha RA	Secure Workflow environments	2001
Labuschagne L	Real-time Risk Analysis	2000
Smith E	Modeling risk management in the health-care environment using cognitive fuzzy techniques	2000
De Ru WG	The Application of Artificial Intelligence in Information Security	1997
Booysen HAS	Secure Systems Development Methodology	1996
Badenhorst KP	A new approach to information security risk analysis	1994

3.2.2. MASTERS

Name of student	Title of dissertation/ thesis	Date
De Bruin JA	Automated usability analysis and visualisation of eye tracking data	2014
Kohn M	An Integrated Digital Forensic Process Model	2013
Adigun EA	Reputation based trust in service oriented architectures	2011

Veerasamy N	Determining Network Warfare Capability	2010
Dlamini M	Economics of Information Security	2010
Sinha A	Access Control Requirements in the Grid Computing Environment	2010
Rossudowski AM	Smart Card Architecture for Dynamic and Secure Authentication	2009
Fei B	Data visualisation in digital forensics	2007
Li L	An Approach to Standardize Vulnerability Categories	2007
Bihina Bella M	Fraud Management Systems	2007
Wojcik M	Convergence of Machine Trust Models	2007
Abdullah H	Intrusion Detection Systems and Risk Management	2006
Izadinia V	Fingerprinting Encrypted Tunnel Endpoints	2005
Höhne K	Information security policies	2004
Trompeter CM	Social/ethical Information Security issues	2003
V Loggerenberg M	Vulnerability analysis	2003
Coetzee M	Secure database interconnectivity on the world wide web	2002
Martins Adele	Measuring information security in a business environment	2002
Van der Walt E	Firewalls and log files	2002
Cholewka DG	Access Control in Work Flow	2001
Prinsloo JJ	Real-time risk analysis	2000
Venter HS	Real-time Risk Analysis on the Internet	2000
Halgreen L	Information security with special reference to risk analysis in a medical environment	1998
Viljoen JJ	Software engineering	1998
Botha RA	Information Security in the client / server environment	1997
Van Buren S	Information security in a distributed banking environment	1997
Kruger R	Information security as discussed in the common criteria	1996
Van der Merwe GJJ	Software source code, visual risk analysis	1996
Hertenberger M	Integration of a CASE tool into a software engineering methodology	1995
Kasselman A	Design and implementation of a prototype to include security activities as part of application systems design	1995
Labuschagne I	Information security risk analysis	1995
Swanepoel I	Methodology for adopting object oriented programming in an organization	1995
Vermeulen S	The Merise and Navigator methodologies	1995
Loubser H	A framework for the management of software development cost	1994
Van Wyk JAM	Methodologies for software development	1994
Booysen HAS	Security / Integrity during systems development	1993
De Ru WG	Expert systems and Information security	1993
Körner R	A model for database integrity	1993
Labuschagne L	Risk analysis for information security	1993
Nel A	Methodology for network security	1993
Nel Y	Disaster recovery planning for a large organisation	1993
Toerien N	A functional approach to ASE technology	1993
Bekker T	The measurement of information systems user satisfaction	1992
Bosch C J	The development of a mechanism to categorise countermeasures and the relation thereof to international standards in the field of information security	1992
Klut J	A methodology for the implementation of expert systems in large organizations	1992
Marais H	Software engineering	1991
Van Dyk P	Information security	1990
Badenhorst KP	A Methodology for the implementation of computer security in a large organisation	1989

3.3. CURRENT POSTGRADUATE STUDENTS

3.3.1. DOCTORATE

Name of student	First registration	Project title	Supervisor	Co-supervisor(s)
Dlamini M	2013	Cloud security	H.S. Venter	J.H.P. Eloff
Mbona I	2018	Risk analysis	J.H.P. Eloff	
Mosolo N	2018	Cloud Security	J.H.P. Eloff	
Van der Walt E	2015	Identity Deception Detection	J.H.P. Eloff	

3.3.2. MASTERS

Name of student	First registration	Project title	Supervisor	Co-supervisor(s)
Antonia Michael	2016	Insider threat detection	J.H.P. Eloff	
Cynthia Ngejane	2016	Cyber crime and child protection	J.H.P. Eloff	
David Kenyon	2016	Intelligent Detection of Cyber-Crime	J.H.P. Eloff	
Motlatsi Thulo	2016	Secure Hypervisors for Cloud Infrastructures	J.H.P. Eloff	
Thulani Ndlovu	2016	Big Data & IoT	J.H.P. Eloff	
Daniel Joubert	2017	Anomaly detection	J.H.P. Eloff	

3.4. OBTAINING RESEARCH FUNDS

Funder	Title of research project or programme	Year received	Amount	Number of years of funding	Role in proposal	Role clarification to fund raising
NRF	Information Security (RAU)	2004	R2 400 000	4	Project leader	Principal author (Direct)
THRIP	Distributed Systems Security (UP) Project team members: Prof Martin Olivier, Dr Hein Venter	2004	±R800 000	2	Member/ Project leader	Co-author (Indirect) – the 800k was our portion and not the total contract.
NRF	NGN Project (Telkom CEO) Project team members: Prof Martin Olivier, Dr Hein Venter	2008	±R120 000	3	Project leader	Principal author (Direct)
THRIP	SEGIS: Security for e-Society	2010	±R 1 700 000	2	Project leader	Principal author (Direct)
SAP Overture	The Overture Project	2010	R10 000 000	2	Research Director	Research Director together with senior team from SAP
SAP/DEG Rustica	Rustica Project	2010	R 4 000 000	2	Research Director	Research Director together with senior team from SAP
DST (SAP)	eEnergy Project	2011	R1 000 000	1	Research Director	Research Director together with senior team from SAP
DST	AHCD project	2009-2015	R5m per annum	7	Research Director	Research Director together with senior team from SAP

DST	Big Data Science	2016/7	R2.3 m	1	Research leader	Leader

3.5.	RESEARCH OUTPUT

3.5.1. SCOLARLY BOOKS

2017   Eloff J.H.P., Bihina Bella, M.A., Software Failure Investigation - A Near-Miss Analysis Approach, Springer, ISBN 978-3-319-61334-5, 1st ed. 2018, IX, 119 p. ISBN 978-3-319-61333-8 ISBN 978-3-319-61334-5 (eBook), DOI 10.1007/978-3-319-61334-5, Library of Congress Control Number: 2017943509,

3.5.2. PATENTS AND INVENTIONS

2015	Coetzee, J.A., Van der Westhuizen, C., Hesse, H., Zielinski, M.P., Eloff, J.H.P., Ketcha Ngassam, E. "Intelligent Task Scheduler", US Patent no: US2015/0006222
2014	Zielinski, M.P., Eloff, J.H.P., "Multi-layer data security", US Patent no: US2014/0372768, European Patent no: EP2816499A1
2014	Ntawanga, F., Ketcha Ngassam, E., Eloff, J.H.P., Zielinski, M.P., "Hybrid context-sensitive matching algorithm for retrieving product catalogue information", US Patent no: US 8756120
2014	Method for the intelligent combination and use of the functionalities of one or more devices to act and be recognized as a new single device, Eloff, J.H.P., Przewloka, M., Zielinski, M.P.(filed)
2013	Zielinski, M.P., Eloff, J.H.P., "Controlled Sharing of Information in a Virtual Organization", US Patent no: US 8533774 B2,
2012	Zielinski, M.P., Eloff, J.H.P et.al Context-sensitive task scheduler for mobile smart phones (filed)
2012	Zielinski, M.P., Eloff, J.H.P - A method to prevent unauthorized use of shared information through the use of Self-aware Data Objects

3.5.3. PUBLICATIONS IN REFEREED ACCREDITED / INTERNATIONAL / ISI JOURNALS

2017   Van der Walt, E. & Eloff, J. H. P. 2018. Using Machine Learning to Detect Fake Identities - Bots versus Humans. IEEE Access, 10.1109/ACCESS.2018.2796018,

2016   Marshall L and Eloff J.H.P., 2017, "Towards an Interdisciplinary Master's Degree Programme in Big Data and Data Science: A South African Perspective", in Communications in Computer and Information Science: ICT Education, 45th Annual Conference of the Southern African Computer Lecturers' Association, SACLA 2016, Cullinan, South Africa, July 5-6, 2016, Revised Selected Papers, Ed: Stefan Gruner Volume 642 2016, pp131-139, ISBN: 978-3-319-47679-7 (Print) 978-3-319-47680-3 (Online) ISSN (Print): 18650929

2016   Bihina Bella, M.A. and Eloff J.H.P., 2016, A near-miss management system architecture for the forensic investigation of software failures, Forensic Science International, (2016), Vol 259c, 234-245. ISSN: 0379-0738, Elsevier http://dx.doi.org/10.1016/j.forsciint.2015.10.007

2015   Bihina Bella, M.A. and Eloff J.H.P., 2015, Using digital forensics to improve software reliability, Computer Fraud & Security, Volume 2015, Issue 5, May 2015, Pages 5–7. ISSN: 0379-0738, Elsevier, https://doi.org/10.1016/S1361-3723(15)30035-X

2013   Ketcha Ngassam, E., Ntawanga, F. and Eloff, J.H.P., 2013, A Roadmap for ICT Solution Deployment in Rural Areas: A Case of Kgautswane Community in South Africa, The African Journal of Information Systems, 5(2), Article 2, 48-64, 2013, ISSN 1936-0282, Publisher: Kennesaw State University

2013   Kohn M.D., Eloff M.M. and Eloff J.H.P., 2013, Digital Forensic Process Models – DFPMs, in Computers & Security, 38(2013), 103-115, ISSN 0167-4048, Elsevier, http://dx.doi.org/10.1016/j.cose.2013.05.001, available online at http://authors.elsevier.com/sd/article/S0167404813000849

2012   Bihina Bella, M.A., Eloff J.H.P. and Olivier, M.S., 2012, Improving System Availability with Near Miss Analysis, in Network Security, 2012(10), 18-20, October 2012, ISSN 1353-4858, Elsevier, www.networksecuritynewsletter.com

2012   Padayachee K., Eloff J.H.P., 2012, Evaluating Usage Control Deterrents, SACJ South African Computer Journal, 48, 1-8, 2012, ISSN : 1015-7999, E-ISSN: 2313-7835. South African Computer Society (SAICSIT). http://hdl.handle.net/10520/EJC122795

2012   Modiba F.S., Kotze D.A. & Eloff, J.H.P., 2012, The Challenges of Accessing Information and Communication Technologies as Indicated by Women Entrepreneurs in Pretoria, South Africa, in The International Journal of Interdisciplinary Social Sciences, 6(4), pp 119-130, ISSN 1833-1882. Common Ground Publishing.

2011   Olivier, MS Eloff, JHP Venter HS and Botes, ME 2012, "Using e-coins to ensure fair sharing of donor funds amongst HIV healthcare facilities," *South African Computer Journal,* 47**,** 2011, 47-57. ISSN: 1015-7999, E-ISSN: 2313-7835. South African Computer Society (SAICSIT). http://hdl.handle.net/10520/EJC28114

2010   Da Veiga A., Eloff, J.H.P., 2010, *A Framework and assessment instrument for Information Security Culture*, in Computers & Security, 29(2), 196-207, March 2010. ISSN: 0167-4048, Elsevier, http://dx.doi.org/10.1016/j.cose.2009.09.002

2010   Rossudowski, A.M., Venter, H.S,, Eloff, J.H.P., 2010, *A Security Privacy Aware Architecture and Protocol for a Single Smart Card used for Multiple Services*, Computers & Security, 29(4) 393-409, June 2010, ISSN: 0167-4048, Elsevier, http://dx.doi.org/10.1016/j.cose.2009.12.001

2009   Dlamini, M., Eloff, J.H.P., Eloff, M.M., 2009, *Information Security: The Moving Target*, Computers & Security 28(3-4), pp. 189-198, May-June 2009, ISSN: 0167-4048. Elsevier, available online at http://dx.doi.org/10.1016/j.cose.2008.11.007

2009   Bihina-Bella. M.A, Eloff. J.H.P., Olivier, M.S., 2009, *A fraud management system architecture for next-generation networks*, Forensic Science International, Volume 185, Issue 1-3, Pages: 51-58, MAR 10 2009, ISSN: 0379-0738, Elsevier, http://dx.doi.org/10.1016/j.forsciint.2008.12.013

2009   Höhne, K., Eloff, J.H.P., 2009, *Information Security Governance: Business requirements and research directions,* Corporate Ownership and Control Journal, Volume 7, Issue 1, Fall 2009 (Continued - 2), Virtus Interpress, ISSN 17279232, http://hdl.handle.net/10204/4408

2009   Modiba, F., Ketcha-Ngassam, E., Eloff, J.H.P., 2009, *Information, Communication and Technology Usage by Women-Owned Small, Medium and Micro Enterprises in Gauteng, South Africa* in The International Journal of Interdisciplinary Social Sciences, Volume 4, Issue 5, pp.159-172. August 2009

2009   Padayachee, K., Eloff J.H.P., 2009, *Adapting Usage Control as a Deterrent to address the inadequacies of Access Controls* in Computers & Security, Volume 28, Issue 7, pp 536-544, (October 2009) ISSN 0167-4048. Elsevier, http://dx.doi.org/10.1016/j.cose.2009.03.003,

2008   Li, Y., Venter, H.S. & Eloff, J.H.P., 2008, *Standardising Vulnerability Categories*, Computers & Security, 27(3-4), 71-83 (May-June 2008), ISSN 0167-4048, Elsevier, available online at http://www.sciencedirect.com/science/issue/5870-2008-999729996 or http://dx.doi.org/10.1016/j.cose.2008.04.002,

2008   Lo, J.L.C., Bishop, J, Eloff, J.H.P., 2008, *SMSSec: an end-to-end protocol for secure SMS*, Computers & Security 27(5-6) October 2008, 154-167, ISSN 0167-4048*.* Elsevier, http://dx.doi.org/10.1016/j.cose.2008.05.003

2008 Obiedkov, S., Kourie, D.G., Eloff, J.H.P., 2008, *Building Access Control Models with Attribute Exploration*, in Computers & Security, Volume 28(1-2), February-March 2009, Pages 2-7, ISSN 0167-4048. Elsevier, available online at http://dx.doi.org/10.1016/j.cose.2008.07.011

2007 Coetzee, M., Eloff J.H.P., 2007, *A trust and context aware access control model for web services conversations*, TrustBus 2007, In LNCS: Trust, Privacy and Security in Digital Business, Springer, Volume 4657, pp. 115–124, 3-7 September 2007, ISSN 0302-9743

2007 Coetzee, M., Eloff, J.H.P., 2007, *Web services access control architecture incorporating trust*, Internet Research, 17(3): 291-305, ISSN: 1066-2243, Emerald Group Publishing Limited http://dx.doi.org/10.1108/10662240710758939

2007 Da Veiga A., Eloff, J.H.P., 2007, *An Information Security Governance Framework*, Information Systems Management 24(4) 361-372, 2007. ISSN: 1058-0530, Auerbach Publications, https://doi.org/10.1080/10580530701586136

2007 Da Veiga A., Martins, Eloff, J.H.P., 2007, *Information security culture - validation of an assessment instrument*, Southern African Business Review, 11(1): April 2007. ISSN 1998-8125, © Publisher: University of South Africa (UNISA), http://hdl.handle.net/10520/EJC92844

2007 Padayachee, K., Eloff J.H.P., 2007, *Enhancing Optimistic Access Controls with Usage Control*, (TrustBus`07). In LNCS: Trust, Privacy and Security in Digital Business, Springer, Volume 4657, pp 75-82 September 3 – 7, 2007, Regensburg, Germany ISSN 0302-9743

2006 Fei, B.K.L., Eloff, J.H.P., Olivier, M.S., Venter, H.S., 2006, *The use of self-organising maps for anomalous behaviour, detection in a digital investigation*, Forensic Science International, 162(1-3): Oct, 33-37, ISSN 0379-0738, Elsevier. http://dx.doi.org/10.1016/j.forsciint.2006.06.046

2006 Izadinia, V.D., Kourie, D.G., Eloff, J.H.P., 2006, *Uncovering Identities: a study into VPN tunnel fingerprinting*, Computers & Security, 25(2): March 97-105. ISSN 0167-4048, Elsevier, http://dx.doi.org/10.1016/j.cose.2005.12.008

2006 Morkel, T., Eloff, J.H.P., Olivier, M.S., 2006, *Using image steganography for decryptor distribution*, Lecture Notes in Computer Science, 4277, LNCS - I, 322-330, Publisher Springer-Verlag Berlin/Heidelberg, ISSN: 0302-9743, http://dx.doi.org/10.1007/11915034_125 .

2006 Obiedkov, S., Kourie, D.G., Eloff, J.H.P., 2006, *On Lattices in Access Control Models*, Lecture Notes in Artificial Intelligence, LNAI 4068, 374-387, Edited by J.G. Carbonell & J. Siekmann, Subseries of Lecture Notes in Computer Science, Springer-Verlag Berlin, ISSN: 0302-9743. http://dx.doi.org/10.1007/11787181_27

2006 Wojcik, M., Eloff, J.H.P., Venter, H.S., 2006, *Trust Model Architecture: Defining Prejudice by Learning*, Lecture Notes in Computer Science, 4083, 182-191, Publisher Springer Berlin / Heidelberg, ISBN 978-3-540-37750-4.

2005 Coetzee, M., Eloff, J.H.P., 2005, *Autonomous trust for Web Services*, Internet Research, 15(5), 498-507, ISSN: 1066-2243. Emerald Group Publishing Ltd http://dx.doi.org/10.1108/10662240510629448

2004 Coetzee, M., Eloff, J.H.P., 2004, *Towards Web Services Access Control*, Computers & Security, 23(7), 559-570, ISSN 0167-4048, Elsevier. http://dx.doi.org/10.1016/j.cose.2004.05.006

2004 Granova, A., Eloff, J.H.P., 2004, Online banking and identity theft: who carries the risk? Computer Fraud & Security, Volume 2004, Issue 11, November 2004, Pages 7-11 ISSN: 0379-0738, Elsevier, http://dx.doi.org/10.1016/S1361-3723(04)00134-4

2004 Venter, H.S., Eloff, J.H.P., 2004, *Vulnerability forecasting-a conceptual model,* Computers & Security, 23(6), 489-497, ISSN 0167-4048. Elsevier, http://dx.doi.org/10.1016/j.cose.2004.06.005

2004 Venter, H.S., Olivier, M.S., Eloff, J.H.P., 2004, *PIDS: A Privacy Intrusion Detection System*, Internet Research, 14(5), 360-365, ISSN 1066-2243. Emerald Group Publishing Ltd, http://dx.doi.org/10.1108/10662240410566953

2003   Johnston, J., Eloff, J.H.P., Labuschagne, L., 2003, *Security and human computer interfaces*, Computers & Security, 22(8), ISSN 675-684. 0167-4048, Elsevier.

2003   Venter, H.S., Eloff, J.H.P., 2003, *Assessment of Vulnerability scanners*, Network Security, 2003(2): Feb 11-16, ISSN 1353-4858, Elsevier

2003   Venter, H.S., Eloff, J.H.P., 2003, *Evaluating Vulnerability Scanners Using Harmonised Vulnerability Categories*, South African Computer Journal, 31: Dec 40-45, ISSN 1015-7999.

2003   Venter, H.S., Eloff, J.H.P., 2003, *Taxonomy for Information security technologies*, Computers & Security, 22(4), 299-307. 0167-4048 Elsevier.

2002   Botha, R., Eloff, J.H.P., 2002, *An Access Control Architecture for XML documents in workflow environments*, South African Computer Journal, 28, 3-10.

2002   Höhne, K., Eloff, J.H.P., 2002, *Information Security Policy - What do International Information Security Standards Say?*, Computers & Security, 21(5), 402-409. 0167-4048.

2002   Höhne, K., Eloff, J.H.P., 2002, *What makes an Effective Information Security Policy?*, Network Security, 2002(6), 14-16.

2002   Smith, E., Eloff, J.H.P., 2002, *A Prototype for Assessing Information-Technology Risks in Health Care*, Computers & Security, 21(3), 266-284. 0167-4048.

2002   Venter, H.S., Eloff, J.H.P., 2002, *Harmonising Vulnerability Categories*, South African Computer Journal, 29, 24-31.

2002   Venter, H.S., Eloff, J.H.P., 2002, *Vulnerabilities categories for intrusion detection systems*, Computers & Security, 21(7), 617-619. 0167-4048.

2001   Botha, R., Eloff, J.H.P., 2001, *Access Control in Document-centric Workflow Systems - An Agent-based Approach*, Computers & Security, 20(6), 525-532, 0167-4048. Elsevier Science.

2001   Botha, R., Eloff, J.H.P., 2001, *Separation of Duties for Access Control Enforcement in Workflow Environments*, IBM Systems Journal, 40(3), 666-682. Also referenced on Wikipedia: http://en.wikipedia.org/wiki/Separation_of_duties#General_description

2001   Perelson, S., Botha, R., Eloff, J.H.P., 2001, *Separation of Duty Administration*, South African Computer Journal, 27, 64-69.

2001   Smith, E., Eloff, J.H.P., 2001, *A New Approach to Risk Management in the Health-Care Domain*, South African Computer Journal, 27, 2-11.

2001   Trompeter, C.M., Eloff, J.H.P., 2001, *A Framework for the Implementation of Socio-ethical Controls in Information Security*, Computers & Security, 20(5), 384-391.

2000   Knorr, K., Stormer, H., Eloff, J.H.P., 2000, *A Model for Security in Agent-based Workflows*, Informatik / Informatique, 6: Dec 24-29.

2000   Smith, E., Eloff, J.H.P., 2000, *Using cognitive fuzzy modelling for enhanced risk assessment in a health-care institution*, Intelligent systems and their applications, 15(2), 69-75.

2000   Venter, H.S., Eloff, J.H.P., 2000, *Network Security: Important Issues*, Network Security, 2000(6), 12-16.

1999   Smith, E, Eloff, J.H.P., 1999, *Security in health-care information systems – current trends,* International Journal of Medical Informatics Vol. 54, Issue 1

1998   Labuschagne, L Eloff, J.H.P., 1998, *The Use of Real-time Risk Analysis to Enable Dynamic Activation of Countermeasures* Computer & Security Vol. 17, No. 4

1998   Van der Merwe, G, Eloff, J.H.P., 1998, *Software source code, visual risk analysis: an example* Computers & Security Vol. 17, No. 3

1998   Venter, HS, Eloff, J.H.P., 1998, *Data Packet Intercepting on the Internet: How and Why?* Computers & Security Vol. 17, No. 8

1997   Botha, R, Eloff, J.H.P., 1997, *Information Security in a client/server environment,* Elektron Vol. 14, No 2

1997   De Ru, WG, Eloff, J.H.P., 1997,*Enhanced Password Authentication through Fuzzy Logic* IEEE Intelligent Systems & their Applications Vol. 12, No. 6

1997   Kruger, R, Eloff, J.H.P., 1997, *A Common Criteria Framework for the Evaluation of Information Technology Systems Security,* Computers & Security, Jan 1997, Vol. 16, No 1

1997   Labuschagne, L, Eloff, J.H.P., 1997, *Improved System-Access Control Using Complementary Technologies* Computers & Security Vol. 16, No. 6

1996   De Ru, WG, Eloff, J.H.P., 1996, *Reinforcing password authentication with typing biometrics* South African Computer Journal Vol. 17

1996   De Ru, WG, Eloff, J.H.P., 1996, *Risk analysis modeling with the use of fuzzy logic* Computers & Security, Vol. 15, No. 3

1996   Eloff, J.H.P., Holbein, R, Teufel, S 1996, *Security Classification for Documents* Computers & Security Vol. 15, No. 1

1995   Booysen, HAS, Eloff, J.H.P., 1995, *Classification of objects for improved access control* Computers & Security Vol. 14, No. 3, North-Holland

1995   Eloff, J.H.P., 1995, *Information Security: State-of-the-art overview* IT Review, (Official journal of the Computer Society of South Africa)

1994   Badenhorst, KP, Eloff, J.H.P.,1994, *TOPM: A Formal approach to the optimisation of Information Technology Risk Management* Computers & Security Vol. 13, No. 5, North-Holland

1994   Bauknecht, K, Eloff, J.H.P., Teufel, S 1994, *Security management in Computer Supported Co-operative Work* Technical report, Institut fur Informatik, University of Zurich, Zurich, Switzerland

1994   Eloff, J.H.P., Holbein, R, Teufel, S 1994, *Security Classification for Documents* Technical report, Institut fur Informatik, University of Zurich, Zurich, Switzerland

1993   Badenhorst, KP, Eloff, J.H.P., Labuschagne, L 1993, *A Comparative Framework for Risk Analysis Methods* Computers & Security Vol. 12, No. 9

1993   Eloff, J.H.P., Klut, JP 1993, *MethoDex: A Framework for an expert system development methodology* Lecture notes in Artificial Intelligence, Springer-Verlag

1990   Badenhorst, KP, Eloff, J.H.P., 1990, *Computer security methodology: risk analysis and project definition* Computers & Security Vol. 9, No. 4, pp 339 – 346 North-Holland

1990   Eloff, J.H.P., 1990, *Computer Security: Research and Practice (A)* South African Journal for Science, Vol. 86, March 1990

1990   Eloff, J.H.P., 1990, *Managing Computer Security: Methodology and Policy* Information Age, Vol. 12 No 4, Elsevier, UK

1990   Eloff, J.H.P., Von Solms, R, Von Solms, SH 1990, *Computer Security Management: a framework for effective management involvement,* Information Age

1989   Badenhorst, KP, Eloff, J.H.P., 1989, *Framework for a methodology for the life cycle of computer security in an organisation* Computers & Security Vol. 8, North-Holland

1989   Eloff, J.H.P., 1989, *A methodology for the implementation of computer security in an organisation* Computers & Security, North-Holland

1989   Eloff, J.H.P., Mostert, D.N.J., Von Solms, SH 1989, *A methodology for measuring user satisfaction* Information Processing & Management, Vol. 25, No. 5, Pergamon Press

1988   Eloff, J.H.P., 1988, *Computer Security Policy: Important issues* Computers & Security Vol. 7(6), pp 559 - 562 North-Holland

1985   Eloff, J.H.P., 1985, *The development of a specification language for a computer security system*, Computers & Security (4)

1983   Eloff, J.H.P., 1983, *Selection Process for Security Packages* Computers & Security Vol. 2(3)

3.5.4. PUBLICATIONS IN OTHER JOURNALS

2010   Mtsweni J., Ntuli M., Eloff J.H.P., 2010, *Developing m-Services for Emerging Markets: A case of South Africa*, in ISBInsight Volume 8 Issue 3, pp 11-13, http://www.isb.edu/isb/File/ISBInsightVol8Iss3.pdf

2010   Eloff, J.H.P., Eloff, M.M., Dlamini, M., Zielinski, M.P., 2010, *Internet of People, Things and Services - The Convergence of Security, Trust and Privacy*, accepted for publication in Ubiquitous Computing and Communication Journal: Special Issue for Future internet of people, things and services (iopts) eco-systems workshop

2010   Ntawanga, F., Kandie, W., Ketcha Ngassam, E., and Eloff, J.H.P., 2010, *Our Journey with the Kgautswane Community Continues…*, Insight, SAP CEC Research Pretoria, 08.03.2010

2009   Dlamini, M., Eloff, J.H.P., 2009, *Budgeting for Information Security,* Insight, SAP CEC Research Pretoria

2008   Eloff, J.H.P., Van Greunen D, 2008, *The Future Internet: security versus usability*, Insight, SAP CEC Research Pretoria

2005   Coetzee, M., Eloff, J.H.P., 2005, *An Access Control Framework for Web Services*, Information Management and Computer Security, 13(1), 29-38. ISSN: 0968-5227, Emerald Insight, http://dx.doi.org/10.1108/09685220510582656

2005   Eloff, J.H.P., 2005, *Can machines trust one another?*, Innovation, University of Pretoria,

2005   Eloff, J.H.P., Eloff, M.M., 2005, *Information Security Architecture,* Computers Fraud & Security, 2005(11): Nov 10-16. ISSN: 0379-0738 http://dx.doi.org/10.1016/S1361-3723(05)70275-X

2005   Granova, A., Eloff, J.H.P., 2005, *A legal overview of phishing*, Computer Fraud & Security, 2005(7): July 6-11. ISSN: 0379-0738 Elsevier http://dx.doi.org/10.1016/S1361-3723(05)70231-1

2004   Granova, A., Eloff, J.H.P., 2004, *Identity Theft*, Computer Fraud & Security, 2004(11), 7-11, Elsevier Advanced Technology, ISSN 1361-3723. http://dx.doi.org/10.1016/S1361-3723(04)00134-4

2003   Eloff, J.H.P., Granova, A., 2003, *Computer Crime Case Analysis*, Computer Fraud & Security, 2003(10), 14-17, Elsevier Advanced Technology, ISSN: 1361-3723.

2001   Botha, R., Eloff, J.H.P., 2001, *A Framework for Access Control in Workflow Systems*, Information Management and Computer Security, 9(3), 126-133.

2000   Labuschagne, L., Eloff, J.H.P., 2000, *Electronic commerce: the information security challenge*, Information Management & Computer Security, 8(3) 154-157, Bradford.

1999   Eloff, J.H.P., Prinsloo, JJ, 1999, *Web Browsers: Information Security issues*, Computer Fraud & Security November 1999, ISSN: 1361-3723, Elsevier Advanced Technology

1998   Labuschagne, L, Eloff, J.H.P., 1998, *Real-time Risk Analysis using Java concepts* Information Management and Computer Security Vol. 6, No. 5

1998   Van Buren, S, Eloff, J.H.P., 1998, *Framework for evaluating security protocols in a banking environment* Computer Fraud & Security ISSN 1361-3723, Elsevier

3.5.5. PAPERS PRESENTED AND PUBLISHED IN PEER REFEREED ACCREDITED INTERNATIONAL CONFERENCE PROCEEDINGS

2017   Van der Walt E., Eloff J.H.P., Creating an environment for detecting Identity Deception, presented at the "Operating the Cloud 2017" the 5th HPI Cloud Symposium, November 14, 2017, Hasso Plattner Institute for Digital Engineering, University of Potsdam Potsdam, Germany

2017   Kenyon D., Eloff J.H.P., Big Data Science for Predicting Insurance Claims Fraud, at 16th International Information Security South Africa (ISSA) Conference, ISBN 978-1-5386-0544-8, pp 40-47, 16 - 17 August 2017, Johannesburg, South Africa.

2017   Mosola N., Dlamini M.T., Blackledge J., Eloff J.H.P., Venter H.S., Chaos-based Encryption Keys and Neural Key-store for Cloud-hosted Data Confidentiality, Proceedings of Southern Africa Telecommunication Networks and Applications Conference, SATNAC 2017, ISBN 978-0-620-76756-9, pp 168-173, 3 - 10 September 2017 on the Freedom of the Seas Cruise Liner operated by Royal Caribbean International.

2017   Dlamini M.T., Eloff J.H.P., Venter H.S., Eloff M.M., Eyono R.H., Mosola N., Behavioural Analytics: Beyond Risk-based MFA, Proceedings of Southern Africa Telecommunication Networks and Applications Conference, SATNAC 2017, ISBN 978-0-620-76756-9, pp 312-317, 3 - 10 September 2017 on the Freedom of the Seas Cruise Liner operated by Royal Caribbean International..

2017   Van der Walt E, Eloff J. H. P., Identity Deception Detection on Social Media Platforms, in Proceedings of the 3rd International Conference on Information Systems Security and Privacy, ICISSP 2017, pp 573-578, ISBN: 978-989-758-209-7, 19-21 Feb 2017, Porto, Portugal

2017   Motlatsi I T, Eloff J. H. P., Towards Optimized Security-aware (O-Sec) VM Placement Algorithms, in Proceedings of the 3rd International Conference on Information Systems Security and Privacy, ICISSP 2017, pp 411-422, ISBN: 978-989-758-209-7, 19-21 Feb 2017, Porto, Portugal

2016   Mosola NN, Dlamini MT, Eloff JHP, Venter HS, Eloff MM, Evolutionary Neural Crypto-System for Cloud-bound Data, in proceedings of the annual Southern Africa Telecommunication Networks and Applications Conference, SATNAC 2016, pp 216-221, 4 – 7 September 2016, Fancourt, George, Western Cape, South Africa.

2016   Bihina Bella, M.A. and Eloff J.H.P., Near-miss analysis and the availability of software systems, in the Proceedings of the Tenth International Symposium on Human Aspects of Information Security & Assurance (HAISA 2016), pp 290-300, 19 - 21 July 2016, Frankfurt Germany

2016   Dlamini MT, Eloff JHP, Venter HS, Eloff MM, Chetty K, Blackledge JM, Securing Cloud Computing's Blind-spots using Strong and Risk-based MFA, CONF-IRM 2016 International Conference on Information Resources Management (CONF-IRM), pp1-21, 18-20 May 2016, Cape Town, South Africa.

2016   Eloff J.H.P., Dlamini M and Eloff M.M., Industrial Espionage - Corporate Data Continues to Leak, 11th International Conference on Cyber Warfare and Security ICCWS-2016, pp 91-98, ISBN 978_1_910810_82_8, Boston, Massachusetts, USA, 17-18 March 2016

2015   Van der Walt E., Eloff J.H.P., A Big Data Science experiment – Identity Deception Detection, The 2015 International Conference on Computational Science and Computational Intelligence CSCI2015, December 7-9, 2015, Las Vegas, USA, http://www.americancse.org/events/ http://americancse.org/events/csci2015/schedule

2015   Van der Walt E., Eloff J.H.P., Protecting minors on social media platforms - A Big Data Science experiment 3rd Scientific Symposium - Operating the Cloud, Hasso Plattner Institute, Potsdam, Germany, November 3rd, 2015 https://hpi.de/cloud-symposium

2015   Ratsoma M.S., Dlamini M., Eloff J.H.P., Venter H.S., A Conflict Aware Placement of Client VMs in Public Cloud Computing,10th International Conference on Cyber Warfare and Security, pp 502-509, E Book ISBN: 978-1-910309-97-1, E Book ISSN: 2048-9889, Book version ISBN: 978-1-910309-96-4, Book Version ISSN: 2048-9870, CD Version ISBN: 978-1910309-98-8, CD Version ISSN: 2048-9897, Academic Conferences and Publishing International Limited, Reading, UK. 24-25 March 2015, Kruger National Park, South Africa

2014   Eloff J.H.P., Dlamini M and Eloff M.M., CBAC4C: Conflict Based Allocation Control for Cloud, The 9th International Conference for Internet Technology and Secured Transactions (ICITST-2014), p448-449, December 8-10, 2014, London, UK

2014   Bihina Bella, M.A., Eloff J.H.P. and Olivier, M.S., A Near-miss Management System to Facilitate the Forensic Investigation of Software Failures, at the 13th European Conference on Cyber Warfare and Security ECCWS-2014, Andrew Liaropoulos and George Tsihrintzis (Eds), pp233-241, ISBN: 978-1-9910309-25-4, 3-4 July 2014, The University of Piraeus, Piraeus, Greece

2014   Dlamini M., Venter H.S., Eloff J.H.P., Eloff M.M., Preparing the Cloud to Become Ready for Digital Forensic Investigation, at the 13th European Conference on Cyber Warfare and Security ECCWS-2014, Andrew Liaropoulos and George Tsihrintzis (Eds), pp242-250, ISBN: 978-1-9910309-25-4, 3-4 July 2014, The University of Piraeus, Piraeus, Greece

2013   De Bruin J.A., Malan K.M., Eloff J.H.P. (2013), Saccade Deviation Indicators for Automated Eye Tracking Analysis, in the proceedings of Eye Tracking South Africa (ETSA 2013) Conference, Vol 1, pages 47-54, ACM, 29-31 August 2013, Cape Town, South Africa.

2013   Clarke J, Coetzee M, Chaturvedi M, Sharma A, Boudaoud K, Mekhilef M, Eloff JHP, Isherwood D, (2013), Trust Management in Emerging countries: International cooperation research challenges for Horizon 2020, in the proceedings of International workshop on Trustworthiness, Accountability and Forensics in the Cloud (TAFC 2013), 6-7 June 2013, Malaga, Spain, available at http://www.bic-trust.eu/events/tafc2013/

2012   Ntawanga, F., Eloff, J.H.P., Ngassam E. and Kandie, W., (2012) User Experience Evaluation of a Lightweight Mobile E-Procurement Application for Rural Small-Scale Retailers, at Africomm 2012, Fourth International IEEE EAI Conference on e-Infrastructure and e-Services for Developing Countries, Yaounde, Cameroon, November 12–14, 2012

2012   Ntshinga W.L., Eloff J.H.P., Hillebrand C., Burger D., Zoller K., Nkaelang B., Van Eerden T., (2012) A Mobile Solution to Self-regulate the Boda-Boda Industry in Emerging Economies, at the 14th Annual Conference on World Wide Web Applications (WWW2012), Mangosuthu University of Technology - Riverside Conf Centre Durban, Durban, South Africa, 7-9 November 2012, www.zaw3.co.za

2012   De Bruin J.A., Malan K.M., Eloff, J.H.P., Zielinski M., (2012), The Use of a Benchmark Fixation Deviation Index to Automate Usability Testing, at the 3rd International Conference on Eye Tracking, Visual Cognition and Emotion (ETVCE 2012), University Lusofona of Humanities and Technologies (ULHT), Lisbon, 25 – 26 October 2012

2012   Dlamini, M.T., Venter, H.S., Eloff, J.H.P. and Mitha, Y. (2012), "Authentication in the Cloud: A Risk-based Approach", in Proceedings of Southern African Telecommunication Networks and Applications Conference 2012 (SATNAC 2012), Editor: Dr Stefan Scriba (Telkom), pp 469-478; ISBN: 978-0-620-53713-1 Fancourt, George, South Africa, 2-5 September 2012.

2012   Bihina Bella, M.A., Olivier, M.S. and Eloff J.H.P. (2012), "Near miss Detection for Software Failure Prevention", in Proceedings of Southern African Telecommunication Networks and Applications Conference 2012 (SATNAC 2012), Editor: Dr Stefan Scriba (Telkom), pp 165-170; ISBN: 978-0-620-53713-1 Fancourt, George, South Africa, 2-5 September 2012.

2012   Eloff J.H.P., Eloff M.M., Bihina Bella, M.A., Isherwood D., Dlamini M., Ngassam E.K., (2012) Information Security Innovation: Personalisation of Security Services in a mobile cloud infrastructure, Theories and Intricacies of Information Security Problems, INTRICATE/SEC Workshop, part of ISSA 2012, August 15 – 17, 2012, Johannesburg, South Africa.

2012   Isherwood D.A., Coetzee M. Eloff J.H.P., Towards trust and reputation for e-commerce in collectivist rural Africa, 6th International Symposium on Human Aspects of Information Security & Assurance (HAISA 2012), editors Clarke NL & Furnell SM, pp 108-118, ISBN NO: 978-1-84102-317-5, Heraklion, Greece, 6 – 8 June 2012

2011   Dlamini M., Venter H.S., Eloff J.H.P., Eloff M.M., Security of Cloud Computing: Seeing Through the Fog, "Social Communications – Challenging the Limits of Technology Innovation", The Southern Africa Telecommunication Networks and Applications Conference (SATNAC 2011), 4-7 September 2011, East London International Convention Centre (ELICC), East London, South Africa. Also available online at http://www.techrepublic.com/whitepapers/security-of-cloud-computing-seeing-through-the-fog/4079317

2011   Bihina-Bella. M.A, Eloff. J.H.P., 2011, Proposing a Digital Operational Forensic Investigation Process, in proceedings of the 6th International Annual Workshop on Digital Forensics & Incident Analysis (WDFIA 2011), Nathan L Clarke, Theodore Tryfonas (Eds.), ISBN 978-1-84102-285-7, 7-8 July 2011, London, UK.

2011   Adam R., Herselman M., Chuang J., Smit D., Eloff J.H.P., Zielinski M., 2011, Challenges of evaluating a Living Lab in South Africa at Shaping Community Informatics Research Network (CIRN) 2011, Prato, Italy, 9 – 11 November 2011

2011   Dlamini M., Eloff M.M., Venter H.S., Eloff J.H.P., 2011, A Budget Model for Information Security, in proceedings of the 5th International Symposium on Human Aspects of Information Security & Assurance (HAISA 2011), Steven Furnell, Nathan Clarke (Eds.) ISBN 978-1-84102-284-0 . 7-8 July 2011, London, UK

2011   Smit, D., Herselman, M., Eloff, J.H.P., Ngassam E., Venter, E., Ntawanga, F., Chuang C-H. & van Greunen D., Formalising Living Labs to Achieve Organisational Objectives in Emerging Economies, IST-Africa 2011 Conference & Exhibition, Gaborone, Botswana, 11 - 13 May 2011, www.IST-Africa.org/Conference2011

2011   Dlamini MT, Chuang C-H, Smit, D., Eloff, J.H.P., Zielinksi, M.P., User-centric Information Security Systems - A Living Lab Approach, at the 10th European Conference on Information Warfare and Security (ECIW 2011), 7th & 8th July 2011, Tallinn, Estonia

2011   Smit D., Eloff J.H.P, van Greunen D., Chuang C-H., Ngassam E., Kandie W., Mobile Eco-System Collaboration for Very Small Enterprises in Emerging Economies, the Mobile Collaboration in the Developing World Workshop, The 2011 ACM Conference on Computer Supported Cooperative Work March 19–23, 2011, Hangzhou, China

2011   Ketcha Ngassam, E., and Eloff, J.H.P., A Web-Portal for Accessing Services by SMMEs in South Africa: A Mashup Prototype, IST-Africa 2011 Conference & Exhibition, Gaborone, Botswana, 11 - 13 May 2011, www.IST-Africa.org/Conference2011

2011   Venter E., van Greunen D., Smit D., Eloff J.H.P, Reflections on Project Overture – Lessons in Mobile Business Services Platform design and development, 4th African Conference for Digital Scholarship and Curation, CSIR Convention Centre, Pretoria, South Africa (ZAF), 17 - 19 May 2011

2011   Dlamini M.T., Eloff J.H.P., Zielinksi M.P., Chuang C-H., Smit D., User-centric Information Security Systems - A Living Lab Approach, 10th European Conference on Information Warfare and Security, The Institute of Cybernetics at the Tallinn University of Technology, Tallinn, Estonia, 7-8 July 2011

2011   Modiba, F., Eloff, J.H.P., The Challenges of Accessing Information and Communication Technologies as Indicated by Women Entrepreneurs in Pretoria, South Africa, 6th International Conference on Interdisciplinary Social Sciences, 11-13 July 2011, The University of New Orleans, USA, www.SocialScienceConference.com

2010   Dlamini M.T., Venter E., Eloff J.H.P. and Smit D. Inclusive Information Society – Challenges from a South African Rural Primary Healthcare Perspective, In Proceedings of the 2010 Information Security for South Africa International Conference, IEEE Catalog number: CFP10661-CDR, ISBN: 978-1-4244-5494-5, IEEE, Sandton, South Africa, August 2-4, 2010.

2010   Mtsweni, J., Ntuli, M. & Eloff J.H.P., Developing m-Services for Emerging Markets: a case of South Africa, 1st International Conference on Services in Emerging Markets, September 23-24, 2010, Indian School of Business, Gachibowli, Hyderabad, http://www.isb.edu/ICSEM2010/

2010   Veerasamy N., Eloff J.H.P., Motivation and Requirements for Determining a Network Warfare Capability in the proceedings of The European Conference on Information Warfare and Security hosted strategyinternational.org and the Department of Applied Informatics, University of Macedonia in Thessaloniki, Greece on the 1-2 July 2010.

2009   Dlamini, M.T., Eloff, M.M., Eloff, J.H.P. & Hone, K. 2009, BC3I – Towards requirements specification for preparing an Information Security budget, Proceedings of the ISSA 2009 Conference, Editors: Hein Venter, Marijke Coetzee and Les Labuschagne, pp 53 – 67, ISBN 978-1-86854-740-1, 6 – 8 July 2009, Johannesburg, South Africa

2009   Dlamini, M.T., Eloff, M.M. & Eloff, J.H.P. 2009, Internet of Things: Emerging and Future Scenarios from an Information Security Perspective, Proceedings of SATNAC 2009: Convergence - 21st Century Lifestyle Enabler, 31 August – 2 September 2009. Royal Swazi Spa, Ezulwini, Swaziland.

2009   Eloff, J.H.P., Eloff, M.M., Dlamini, M.T. & Zielinski M.P., 2009, Internet of People, Things and Services - The Convergence of Security, Trust and Privacy, 3rd Annual CompanionAble Consortium Workshop – IoPTS, (Internet of People, Things and Services) 02 December 2009, Novotel Brussels – Brussels, Online proceedings available at http://www.companionable.net/index.php?option=com_phocadownload&view=category&id=7:3rd-companionable-workshop-iopts-proceedings&Itemid=6

2009   Martim E., Dlamini, M., Van Greunen D. & Eloff J.H.P., Herselman M., 2009, Is Buying and Transacting Online Easier and Safer than Down Town? : An Emerging Economy Perspective, Proceedings of the 4th International Conference on Information Warfare and Security, Editors: Leigh Arnstead, pp 53 - 59, ISBN: 978-1-906638-28-3 CD, 26-27 March 2009, Cape Town, South Africa.

2008   Adigun, E.A., Eloff J.H.P., 2008, Implementing a Trusted Service-Oriented Network Environment, in Proceedings of the SATNAC 2008 Conference, 7 – 10 September 2008, Wild Coast Sun, Eastern Cape Coast, South Africa, ISBN: 978-0-620-41696-2

2008   Arthur, K.K., Olivier, M.S., Venter, H.S. & Eloff, JHP. 2008, Considerations Towards a Cyber Crime Profiling System, in S Jakoubi, S Tjoa and ER Weippl, Proceedings of AReS 2008 - The Third International Conference on Availability, Security and Reliability, 1388-1393, IEEE, 2008

2008   Kohn, M, Eloff J.H.P, Olivier, M, 2008, UML Modeling of Digital Forensic Process Models (DFPMs) in Venter H.S, Eloff, M.M, Eloff, J.H.P. and Labuschagne L, (Editors) (2008), Proceedings of the ISSA 2008 Innovative Minds Conference, 7 – 9 July 2008 School of Tourism & Hospitality, University of Johannesburg, Johannesburg, South Africa, ISBN 978-1-86854-693-0, pp 149-162

2008   Veerasamy N. Eloff J.H.P., 2008, The Application of Non-quantitative Modeling in the Analysis of a Network Warfare Environment: CESSE 2008 (International Conference on Computer, Electrical, and Systems Science, and Engineering -), Proceedings of the World Academy of Science, Engineering and Technology, Vol 30 pp 567-573, Paris, France July 2008, ISSN: 1307-6884

2008   Veerasamy N. Eloff J.H.P., 2008, Towards a Framework for a Network Warfare Capability in Venter H.S., Eloff, M.M., Eloff, J.H.P. and Labuschagne L, (Editors) (2008), Proceedings of the ISSA 2008 Innovative Minds Conference, 7 – 9 July 2008 School of Tourism & Hospitality, University of Johannesburg, Johannesburg, South Africa, ISBN 978-1-86854-693-0, pp 405-422

2008 Veerasamy N. Eloff J.H.P., 2008, Understanding the elementary considerations in a Network Warfare environment: An elementary framework, IFIP TC9 Proceedings on ICT uses in Warfare and the Safeguarding of Peace, pp95-108, Pretoria, South Africa, July 2008, ISBN 978-0-620-41359-6

2008 Venter H.S., Eloff J.H.P., Wojcik M, 2008, Implementing Prejudice in Trust Models: A Prototype, in Proceedings of The 13th Nordic Workshop on Secure IT Systems, 9-10 October, 2008, Copenhagen, Denmark,

2007 Adigun, E.A., Eloff J.H.P., 2007, Defining a Trusted Service-Oriented Network Environment, in Proceedings of Second International Conference on Availability, Reliability and Security (ARES 2007: The International Dependability Conference) Vienna 10-13 April 2007, ISBN:0-7695-2775-2

2007 Coetzee, M., Eloff J.H.P., 2007, A trust and context aware access control model for web services conversations, Proceedings of the 4th International Conference on Trust, Privacy and Security in Digital Business (TrustBus`07). LNCS September 3 – 7, 2007, Regensburg, Germany, ISBN 978-3-540-74408-5

2007 Grant, T.J., Venter, H.S., Eloff J.H.P., 2007, Simulating adversarial interactions between intruders and system administrators using OODA-RR, Proceedings of the 2007 annual research conference of the South African institute of computer scientists and information technologists on IT research in developing countries, Port Elizabeth, South Africa, 2007, pp46 – 55, ISBN:978-1-59593-775-9, ACM International Conference Proceeding Series; Vol. 226 archive

2007 Padayachee, K., Eloff J.H.P., 2007, An Aspect-Oriented approach to Enhancing Multilevel Security with Usage Control: An Experience Report, in IAGENG: Lecture notes in Engineering and Computer Science Volume 1, pp 1060-1065, International Conference on Software Engineering (ICSE'07), Hong Kong, 21-23 March 2007, Newswood Ltd. International Association of Engineers (Hong Kong), ISBN: 978-988-98671-4-0

2007 Padayachee, K., Eloff J.H.P., 2007, An Aspect-Oriented Model to Monitor Misuse, Proceedings of The International Joint Conferences on Computer, Information, and Systems Sciences, and Engineering (CISSE) 2006, December, 2006, University of Bridgeport, USA, published in Innovations and Advanced Techniques in Computer and Information Sciences and Engineering, Engineering, pp 273-278, 2007 Springer; ISBN 978-1-4020-6267-4 (Print) 978-1-4020-6268-1 (Online)

2007 Padayachee, K., Eloff J.H.P., 2007, Enhancing Optimistic Access Controls with Usage Control, in Proceedings of the 4th International Conference on Trust, Privacy and Security in Digital Business (TrustBus`07). In LNCS: Trust, Privacy and Security in Digital Business, Springer, Volume 4657, pp 75-82, September 3 – 7, 2007, Regensburg, Germany, ISBN 978-3-540-74408-5

2007 Rossudowski, A.M., Venter, H.S., Eloff J.H.P., 2007, Anomaly-based Intrusion Detection Smart Card Using Behavioural Analysis, in Proceedings of the 22nd International Information Security Conference (SEC 2007), New Approaches for Security, Privacy and Trust in Complex Environments, Series: IFIP International Federation for Information Processing, pp 217-228, Hardcover ISBN: 978-0-387-72366-2, 14-16 May 2007, Sandton, South Africa.

2007 Veerasamy N. Eloff J.H.P., 2007, Framework for the Establishment of a Honeynet, in Proceedings of the SATNAC 2007 Conference, 10 – 13 September 2007, Sugar Beach Resort, Mauritius, ISBN 978-0-620-39351-5

2006 Adigun, E.A., Lutu, P.E.N., Eloff J.H.P., 2006, Mobile and Wireless Technology: Making a World of Difference, in Bytheway A & Strümpfer C (eds), Proceedings: Community Informatics for Developing Countries, ISBN 0-620-37058-0, 31 Aug-2 Sept 2006, Cape Town, South Africa.

2006   Coetzee, M., Eloff, J.H.P., 2006, A Framework for Web Services Trust. in Proceedings of the 21st International Information Security Conference (SEC 2006), Security and Privacy in Dynamic Environments. Series: IFIP International Federation for Information Processing, Vol 201 Fischer-Hübner, S.; Rannenberg, K.; Yngström, L.; Lindskog, S. (Eds.) Springer, 2006, XVI, 494 p., Hardcover ISBN: 0-387-33405-X, 22-24 May 2006, Karlstad, Sweden. http://dx.doi.org/10.1007/0-387-33406-8_7

2006   Fei, B.K.L., Eloff, J.H.P., Olivier, M.S., Venter, H.S., 2006, Analysis of web proxy logs, Proceedings of the Second Annual IFIP WG 11.9 International Conference on Digital Forensics, Orlando, Florida, USA, January/February 2006.

2006   Kohn, M., Olivier, M., Eloff J.H.P., 2006, Framework for a Digital Forensic Investigation, in H.S Venter, J.H.P. Eloff, L. Labuschagne and M.M. Eloff (eds), Proceedings of the 6TH Annual International Information Security South Africa (ISSA) from Insight to Foresight Conference, July 2006, South Africa, ISBN 1-86854-636-5.

2006   McManus, L., Eloff J.H.P., 2006, Using IT Benchmarking Principles to Design an Information Security Benchmark Model, in H.S. Venter, J.H.P. Eloff, L. Labuschagne and M.M. Eloff (eds), Proceedings of the 6TH Annual International Information Security South Africa (ISSA) from Insight to Foresight Conference, July 2006, South Africa, ISBN 1-86854-636-5.

2006   Padayachee, K., Eloff J.H.P., 2006, The Next Challenge: Aspect-Oriented Programming, in Proceedings of IASTED, The Sixth IASTED International Conference on Modeling, Simulation, and Optimization, ~MSO 2006~ September 11-13, 2006 Gaborone, Botswana. ISBN: 0-88986-618-X ISBN (CD): 0-88986-620-1

2006   Padayachee, K., Eloff J.H.P., 2006, An aspect-oriented implementation of e-consent to foster trust, In: Judith Bishop, Derrick Kourie (eds), Proceedings of the annual South African Institute of Computer Scientists and Information Technologists Conference (SAICSIT) Service-oriented Software and Systems, South Africa, ISBN: 1-59593-567-3, 9-11 October 2006, Somerset West, South Africa. http://dx.doi.org/10.1145/1216262.1216280

2006   Wojcik, M., Venter, H.S., Eloff, J.H.P., 2006, Trust Model Evaluation Criteria: A Detailed Analysis of Trust Representation, Proceedings of The Next Generation Services, the Network @ Work, Southern African Telecommunications Networks and Applications Conference (SATNAC) 2006, ISBN: 0-620-37043-2, 3 - 6 September 2006, Western Cape, South Africa.

2006   Wojcik, M., Venter, H.S., Eloff, J.H.P., 2006, Trust Model Evaluation Criteria: A Detailed Analysis of Trust, in H.S. Venter, J.H.P. Eloff, L. Labuschagne and M.M. Eloff (eds), Proceedings of the 6TH Annual International Information Security South Africa (ISSA) from Insight to Foresight Conference, July 2006, South Africa, ISBN 1-86854-636-5.

2005   Bihina Bella, M., Olivier, M.S., Eloff, J.H.P., 2005, A fraud detection model for Next Generation Networks, Proceedings of the Southern African Telecommunication Networks & Applications (SATNAC) Conference 2005, 12-14 September 2005, Drakensberg, South Africa, ISBN 0-620-34908-5.

2005   Coetzee, M., Eloff, J.H.P., 2005, Autonomous Trust for Web Services, Proceedings of the Fifth International Network Conference (INC 2005), 217-226, ISBN 960-7475-32-1, 5-7 July 2005, Samos Greece. http://dx.doi.org/10.1108/10662240510629448

2005   Coetzee, M., Eloff, J.H.P., 2005, Metadata for trust in service-oriented architectures, Proceedings of the 5TH Annual International Information Security South Africa (ISSA) conference, July 2005, ISBN 1-86854-625X, Johannesburg, South Africa.

2005   Fei, B.K.L., Eloff, J.H.P., Venter, H.S., Olivier, M.S., 2005, Exploring Forensic Data with Self-Organizing Maps, in M Pollitt and S Shenoi (eds), Advances in Digital Forensics, 105-112, Springer, ISBN: 0-387-30012-0, 2005, Proceedings of IFIP WG 11.9 First International Conference on Digital Forensics, Orlando, Florida, USA February 2005.

2005   Fei, B.K.L., Venter, H.S., Olivier, M.S., Eloff, J.H.P., 2005, Using Computer Forensic Tools and Self-Organising Maps for Detecting Anomalous Behaviours, The 17th Meeting of the International Association of Forensic Sciences (IAFS 2005), 21-26 August 2005, Hong Kong Convention and Exhibition Centre, Hong Kong.

2005   Izadinia, V.D., Eloff, J.H.P., Kourie, D., 2005, Foiling an Attack? Defeating IPSec Tunnel Fingerprinting, Proceedings of the 5TH Annual International Information Security South Africa (ISSA) conference, July 2005, ISBN 1-86854-625X, Johannesburg, South Africa.

2005   Laubscher, R., Rabe, C., Olivier, M.S., Eloff, J.H.P., Venter, H.S., 2005, Applying Computer Forensic Principles in Evidence Collection and Analysis for a Computer-Based Programming Assessment, in M. Pollitt and S. Shenoi (eds), Advances in Digital Forensics, 105-112, Springer, ISBN: 0-387-30012-0, Proceedings of IFIP WG 11.9 First International Conference on Digital Forensics, Orlando, Florida, USA February 2005. http://dx.doi.org/10.1007/0-387-31163-7_9

2005   Laubscher, R., Rabe, C., Olivier, M.S., Venter, H.S., Eloff, J.H.P., 2005, The Role of Key loggers in Computer-based Assessment Forensics, in J Bishop and DG Kourie (eds), Research for a changing world, Proceedings of the annual South African Institute of Computer Scientists and Information Technologists Conference (SAICSIT) 2005, 123-130, White River, South Africa, September 2005.

2005   Loock, M., Eloff, J.H.P., 2005, A new Access Control model based on the Chinese Wall Security Policy Model , Proceedings of the 5TH Annual International Information Security South Africa (ISSA) conference, July 2005, ISBN 1-86854-625X, Johannesburg, South Africa.

2005   Loock, M., Eloff, J.H.P., 2005, Investigating the usage of the Chinese Wall Security Policy model for Data Mining, Proceedings of the 4th International Symposium on Information and Communication Technology, 3-6 January 2005, Cape Town, South Africa. ISBN:1-59593-169-4

2005   Morkel, T., Eloff, J.H.P., Olivier, M., Venter, H.S., 2005, One-time passwords in a mobile environment using steganography, in Proceedings of the First International Workshop on Security, Privacy and Trust in Pervasive and Ubiquitous Computing (SecPerU 2005), P Georgiadis, S Gritzalis and GF Marias (eds.), 13-19, Diavlos Publications, July 14, 2005, Santorini Island, Greece.

2005   Morkel, T., Eloff, J.H.P., Olivier, M.S., Venter, H. S., 2005, An overview of image steganography, Proceedings of the 5TH Annual International Information Security South Africa (ISSA) conference, July 2005, ISBN 1-86854-625X, Johannesburg, South Africa.

2005   Smith, E., Eloff, J.H.P., 2005, A new perspective on Risk Assessment Techniques, Proceedings of the Fifth International Network Conference (INC 2005). pp. 227-234, 5-7 July 2005, Samos Greece, ISBN 960-7475-32-1.

2005   Tillwick, H., Neumann, T., Olivier, M.S., Venter, H.S., Eloff, J.H.P., 2005, Polar: Proxies collaborating to achieve anonymous webbrowsing, Proceedings of the Fifth International Network Conference (INC 2005), pp. 317 - 324, , 5-7 July 2005, Samos Greece, ISBN 960-7475-32-1.

2005   Tshivhase, F.E., Venter, H.S., Eloff, J.H.P., 2005, Implementing Application and Network Security Using Aspect-oriented Programming, Proceedings of the Southern African Telecommunication Networks & Applications (SATNAC) Conference 2005, 12-14 September 2005, Drakensberg, South Africa, ISBN 0-620-34908-5.

2005   Venter, H.S., Olivier, M.S., Eloff, J.H.P., Botes, M.E., Bayard, R., Nunes, R., 2005, Balancing patient privacy and treatment facility accountability using a centralised pseudonymous HIV/AIDS database, Proceedings of the Fifth International Network Conference (INC 2005). pp. 327-386, 5-7 July 2005, Samos Greece, ISBN 960-7475-32-1.

2004   Bihina Bella, M., Eloff, J.H.P., 2004, Requirements for Next-Generation networks billing systems, Proceedings of the Southern African Telecommunication Networks & Applications (SATNAC) Conference 2004, 6-8 September 2004, Spier Wine Estate, South Western Cape, South Africa. ISBN 0-620-32632-8

2004   Coetzee, M., Eloff, J.H.P., 2004, A Logic-Based Access Control Approach for Web Services, Proceedings of the 4TH Annual International Information Security South Africa (ISSA) conference, July 2004, ISBN 1-86854-522-9.

2004   Coetzee, M., Eloff, J.H.P., 2004, Access control for networked Web Services, Proceedings of INC2004, Fourth International Network Conference, 5-7 July, Plymouth, UK. ISBN 1-84102-125-3

2004   Coetzee, M., Eloff, J.H.P., 2004, Access control for service-oriented computing, Proceedings of the Southern African Telecommunication Networks & Applications (SATNAC) Conference 2004, 6-8 September 2004, Spier Wine Estate, South Western Cape, South Africa. ISBN 0-620-32632-8

2004   Eloff, M.M., Kotzé, P., Adesina-Ojo, A., Eloff, J.H.P., 2004, Accessible Computer Interaction for People with Disabilities- the Case of Quadriplegics, 6th International Conference on Enterprise Information Systems, Porto, Portugal, 14- 17 April 2004.

2004   Granova, A., Eloff, J.H.P., 2004, South African Online Banking: Who Carries The Risk? Proceedings of the 4TH Annual International Information Security South Africa (ISSA) conference, July 2004, ISBN 1-86854-522-9.

2004   Li, Y., Venter, H.S., Eloff, J.H.P. 2004, Categorizing vulnerabilities using data clustering techniques, Proceedings of the 4TH Annual International Information Security South Africa (ISSA) conference, July 2004, ISBN 1-86854-522-9.

2004   Pillai, M.M., Eloff, J.H.P., Venter, H.S., 2004, An Approach to Implement a Network Intrusion Detection System using Genetic Algorithms, Proceedings of the annual South African Institute of Computer Scientists and Information Technologists conference (SAICSIT), October 2004, Stellenbosch, SA, Unisa Press, 1-58113-982-9.

2004   Venter, H.S., Olivier, M.S., Eloff, J.H.P., 2004, PIDS: A Privacy Intrusion Detection System, Proceedings of INC2004, Fourth International Network Conference, 5-7 July, Plymouth, UK.

2003   Coetzee, M., Eloff, J.H.P., 2003, Access Control for Web Services, Proceedings of the Annual International Information Security South Africa (ISSA) conference, July 2003, Johannesburg, SA, Unisa Press, 2003, ISBN 1-86854-485-0 pp 99-112.

2003   Coetzee, M., Eloff, J.H.P., 2003, Virtual enterprise access control requirements, Proceedings of the annual South African Institute of Computer Scientists and Information Technologists conference (SAICSIT), September 2003, Johannesburg, SA, Unisa Press, 2003, ISBN 1-58113-774-5, 285-294.

2003   Eloff, J.H.P., 2003, State of the Art Vulnerability Detection and Suggestions for improvement, Proceedings of the International Conference on Information and Communication Technology, 30 Nov- 2 Dec 2003, Cairo, Egypt.

2003   Eloff, J.H.P., Eloff, M.M., 2003, Information Security Management- A New Paradigm, Proceedings of the annual South African Institute of Computer Scientists and Information Technologists conference (SAICSIT), September 2003, Johannesburg, SA, Unisa Press, 2003, ISBN 1-58113-774-5, pp130-136.

2003   Eloff, M.M., Eloff, J.H.P., 2003, Information Security Management System: processes and products Proceedings of IFIP SEC 2003, May 2003, Athens, Greece. ISBN 1-4020-7449-2

2003   Venter, H.S., Eloff, J.H.P., 2003, Vulnerability Detection, Proceedings of the Annual International Information Security South Africa (ISSA) conference, July 2003, Johannesburg, SA, Unisa Press, 2003, ISBN 1-86854-485-0, pp 89-98.

2002   Coetzee, M., Eloff, J.H.P., 2002, Secure Virtual Web Databases for an e-commerce Environment, Proceedings of IFIP SEC 2002, May 2002, Cairo, Egypt.

2002   Eloff, J.H.P., Von Solms, S.H., 2002, An Architecture For Information Security Management, IFIP Congress 2002, 17TH World Computer Congress, August 2002, Montreal, Canada.

2002   Eloff, M.M., Eloff, J.H.P., 2002, Secure Human Computer Interaction: an Information Security Perspective, Proceedings of IFIP SEC 2002, May 2002, Cairo, Egypt.

2002   Loock, M., Eloff, J.H.P., 2002, Information Security Issues in Data Mining, Proceedings of SAICSIT, September 2002, Port Elizabeth, South Africa.

2002   Martins, A., Eloff, J.H.P., 2002, Information Security Culture, Proceedings of IFIP SEC 2002, May 2002, Cairo, Egypt.

2002   Venter, H., Eloff, J.H.P., 2002, Enabling Businesses To Evaluate Intrusion Detection Tools, Proceedings of SAICSIT, September 2002, Port Elizabeth, South Africa.

2001   Botha, R., Eloff, J.H.P., 2001, An access control architecture for XML documents in workflow environments, Proceedings of SAICSIT 2001, September 2001, South Africa.

2001   Botha, R., Eloff, J.H.P., 2001, Designing role hierarchies for access control in workflow systems, COMPSAC2001, 8-12 October 2001 in Chicago, USA.

2001   Smith, E., Eloff, J.H.P., 2001, Transaction based Risk analysis - Using Cognitive Fuzzy techniques, 8th Annual Working Conference on Information Security Management & Small Systems Security, September 2001, Las Vegas, USA.

2000   Cholewka, D.G., Botha, R.A., Eloff, J.H.P., 2000, A Context-sensitive Access Control Model and Prototype Implementation, Information Security for Global Information Infrastructures (Proceedings of the sixteenth annual international conference on Information Security, August 22-24, 2000, Beijing, China) Eloff, J.H.P. & Qing, S. (eds) Kluwer Academic Publishers, ISBN 0-7923-8626-4-0

2000   Eloff, J.H.P., Liebenberg, A., 2000, MASS: Model for an Auditing Security System, Information Security for Global Information Infrastructures (Proceedings of the sixteenth annual international conference on Information Security, August 22-24, 2000, Beijing, China) Eloff, J.H.P. & Qing, S. (eds) Kluwer Academic Publishers, ISBN 0-7923-8626-4-0

2000   Venter, H.S., Eloff, J.H.P., 2000, Network Security Health Checking, Information Security for Global Information Infrastructures (Proceedings of the sixteenth annual international conference on Information Security, August 22-24, 2000, Beijing, China) Eloff, J.H.P. & Qing, S. (eds) Kluwer Academic Publishers, ISBN 0-7923-8626-4-0

1999   Venter, HS, Labuschagne, L, Eloff, J.H.P., 1999, Real-time risk analysis on the Internet: a prototype Information Security Management & Small Systems Security (Proceedings of the Seventh Annual Working Conference of WG 11.1 & WG 11.2 of Technical Committee 11 of IFIP; Amsterdam, The Netherlands) Kluwer Academic Publishers, ISBN 0-7923-8626-4, pp 11 – 28

1998   Botha, RA, Eloff, J.H.P., 1998, A Security Interpretation of the Workflow Reference Model Information Security - Small Systems Security & Information Security Management – 2 (Proceedings of the sixth working conference of WG 11.1 & WG 11.2 of Technical Committee 11 of IFIP); Vienna, Budapest

1998   Smith, E, Eloff, J.H.P., 1998, Modeling risks in a health-care institution Proceedings of the IFIP TC11 14th International Conference on Information Security, IFIP/Sec '98, pp 592 – 601 Vienna, Budapest

1997   Botha, RA, Eloff, J.H.P., 1997, Management Considerations for securing a distributed client-server infrastructure Information Security - from Small systems to management of secure infrastructures – 1 (Proceedings of the working conference of WG 11.1 & WG 11.2 of Technical Committee 11 of IFIP); Denmark

1997   Körner, R, Eloff, J.H.P., 1997, A methodology for accrediting a commercial distributed database Proceedings of the 13th International Conference on Computer Security IFIP/SEC'97, Yngström, L & Carlson, J (eds.) Denmark

1997   Kruger, R, Eloff, J.H.P., 1997, A common criteria framework for the evaluation of information technology systems security Proceedings of the 13th International Conference on Computer Security IFIP/SEC'97, Yngström, L & Carlson, J (eds.) Denmark

1996   Booysen, HAS, Eloff, J.H.P., 1996, Information Security Issues on Divisional or Departmental level Small System Security (Proceedings of the working conference of WG 11.2 of Technical Committee 11 of IFIP), pp 64 – 73 Samos, Greece

1996   Eloff, J.H.P., 1996, Information Security in Medical Information Systems HELINA'96, 2nd International Working Conference on Health Informatics in Africa, South Africa

1996   Labuschagne, L, Eloff, J.H.P., 1996, Activating dynamic countermeasures to reduce risk Proceedings of the 12th International Conference on Computer Security IFIP/SEC'96, Katsikas, S, Gritzalis, D (eds.) Samos Greece

1996   Labuschagne, L, Eloff, J.H.P., 1996, The Secure Operation of a Small Commercial Business using the Internet Small System Security (Proceedings of the working conference of WG 11.2 of Technical Committee 11 of IFIP); pp 36 - 45 Samos Greece

1996   Peplar, I, Eloff, J.H.P., 1996, EDI-Information Security Issues Proceedings of AIC Conference

1995   Bauknecht, K, Eloff, J.H.P., Karagiannis, D, Teufel, S, 1995, Information Security Concepts in Computer Supported Co-operative Work, Database and Expert Systems Applications DEXA'95, Lecture notes in computer science, No. 978, Revell, N. & Min Tjao, A (eds.), London, UK, Springer-Verlag

1995   Booysen, HAS, Eloff, J.H.P., 1995, A methodology for the development of secure application systems, Information Security – the Next Decade (Proceedings of the IFIP TC11 eleventh international conference on information security, IFIP/Sec '95, May 1995, Cape Town, South Africa) Eloff, J.H.P., Von Solms, SH (eds.), Chapman & Hall, pp 255 – 269

1995   De Ru, WG, Eloff, J.H.P., 1995, Reinforcing password authentication with typing biometrics, Information Security – the Next Decade (Proceedings of the IFIP TC11 eleventh international conference on information security, IFIP/Sec '95, May 1995, Cape Town, South Africa), Eloff, J.H.P., Von Solms, SH (eds.), Chapman & Hall, pp 562 – 576

1994   Booysen, HAS, Eloff, J.H.P., 1994, A Methodology for Secure Development of Application Systems, Proceedings of the 6th Annual Canadian Computer Security Symposium, Ottawa, Canada

1993   Bosch, CJ, Eloff, J.H.P., Carroll, JM 1993, International Standards and Organisation Security Needs: Bridging the gap, Proceedings of the IFIP TC11 9th international conference on information security, IFIP/SEC'93, Toronto, Canada

1993   De Ru, WG, Eloff, J.H.P., 1993, Improved password mechanisms through expert system technology, 9th Annual Computer Security Applications Conference, Florida, USA

1993   Eloff, J.H.P., 1993, MethoDex: A framework for an Expert Systems Development Methodology, Proceedings of the 7th International Symposium on Methodologies for Intelligent Systems (ISMIS), Trondheim, Norway

1992   Badenhorst, KP, Eloff, J.H.P., 1992, Information Risk Management: A Targeted approach, COMPSEC'92. The 9th World conference on computer security audit and control, London, UK

1992   Eloff, J.H.P., Nel, AJ 1992, A methodology for network security, IWACA, 92. International workshop on advanced communications and applications for High Speed Networks. Munich, Germany.

1991   Badenhorst, KP, Eloff, J.H.P., 1991, Information risk assessment: risk analysis and risk management, Proceedings of COMPSEC'91. The 8th World conference on computer security audit and control, London, UK

1991   Badenhorst, KP, Eloff, J.H.P., 1991, Information security risk analysis and risk management: Which approach?, Proceedings of 14th National Computer Security Conference , Washington DC USA

1991   Eloff, J.H.P., Eloff, MM 1991, Distance education in computer training, Proceedings of CISNA'91, Blantyre, Malawi

1991   Eloff, J.H.P., Nel, AJ 1991, The role of network security in a Methodology for Information Security design and implementation, Proceedings of 14th National Computer Security Conference, Washington DC USA

1991   Eloff, J.H.P., Van Dyk, P 1991, A customisable approach to personal computer security, Proceedings of CISNA'91, Blantyre, Malawi

1985   Eloff, J.H.P., 1985, The Development of a Specification Language for a Computer Security System, Computer Security: the practical issues in a troubled world, Proceedings of the Third IFIP International Conference on Computer Security, IFIP/Sec'85, Dublin, Ireland, 12-15 August, 1985, Grimson, JB. & Kugler, H-J (eds)

1984   Eloff, J.H.P., 1983 Selection Process for Security Packages Computer Security: a global challenge, Proceedings of the Second IFIP International Conference on Computer Security, IFIP/Sec'84, Toronto, Canada, 10-12 September, 1984, Finch, JH & Dougall, EG. (eds)

3.5.6. PAPERS PRESENTED AND PUBLISHED IN NATIONAL CONFERENCE PROCEEDINGS

2009   Veerasamy N. Eloff J.H.P., 2009, *Red and Blue Team Methodology*, a short paper at SACLA 2009, 29 June – 1 July 2009. Mpekweni Beach Resort, Eastern Cape, South Africa, ISBN:978-1-60558-683-0

2006   Coetzee M, Eloff, J.H.P., 2006, *A Framework for Web Services Trust,* SOA and Web Services 2006 Conference Gallagher Estate, Midrand, South Africa 16 – 17 August 2006

2005   Bihina, M, Eloff, J.H.P., Olivier, MS, 2005, *Using the IPDR standard for NGN billing and fraud detection,* Proceedings of the 5TH Annual International Information Security South Africa (ISSA) conference, July 2005, ISBN 1-86854-625X, Johannesburg, South Africa

2005   Fei, BKL, Tillwick, H, Eloff, J.H.P., Venter HS, and Olivier, MS, 2005, *Using Self-Organising Maps for Anomalous Behaviour Detection in a Computer Forensic Investigation,* Proceedings of the 5TH Annual International Information Security South Africa (ISSA) conference, July 2005, ISBN 1-86854-625X, Johannesburg, South Africa

2005   Keleta, Y, Coetzee, M., Eloff, J.H.P., Venter, HS, 2005, *Proposing a Secure XACML architecture ensuring privacy and trust,* Proceedings of the 5th Annual International Information Security South Africa (ISSA) conference, July 2005, ISBN 1-86854-625X, Johannesburg, South Africa

2005   Laubscher, R, Rabe, DJ, Olivier, MS, Eloff, J.H.P., Venter, HS, 2005, *Computer forensics for a computer-based assessment: the preparation phase*, Proceedings of the 5th Annual International Information Security South Africa (ISSA) conference, July 2005, ISBN 1-86854-625X, Johannesburg, South Africa

2004   Fei, BKL, Eloff, J.H.P., Venter, HS, and Olivier, MS 2004, *Classifying Computer Forensic Tools with the Aim of Extending the Functionality of EnCase*, Proceedings of the annual Post Graduate Symposium of the South African Institute of Computer Scientists and Information Technologists conference (SAICSIT), October 2004, Stellenbosch, South Africa, Unisa Press

2004   Keleta YG, Eloff, J.H.P., 2004 *Web services security policy integration,* Proceedings of the annual Post Graduate Symposium of the South African Institute of Computer Scientists and Information Technologists conference (SAICSIT), October 2004, Stellenbosch, South Africa, Unisa Press

2004   Morkel, T, Eloff, J.H.P., 2004, *Encryption Techniques: A Timeline Approach*, Proceedings of the Research in Progress at the 4th Annual International Information Security South Africa (ISSA) conference, July 2004, South Africa, ISBN 1-86854-522-9,

2003   Venter, HS, Eloff, J.H.P., 2003, *State of the art intrusion detection and vulnerability scanning*, Proceedings of the annual Post Graduate Symposium of the South African Institute of Computer Scientists and Information Technologists conference (SAICSIT), September 2003, Johannesburg, South Africa, Unisa Press, 2003, ISBN 1-58113-774-5

2002   Coetzee, M, Eloff, J.H.P., 2002, *Secure Database Connectivity On The WWW,* Proceedings of ISSA2002, South Africa

2002   Höhne, K, Eloff, J.H.P., 2002, *Information Security Policy - What do International Information Security Standards say?,* Proceedings of ISSA2002, July 2002, Johannesburg, South Africa

2002   Loock, M, Eloff, J.H.P., 2002, *Information Security Issues in Data Mining*, Proceedings of ISSA2002, July 2002, Johannesburg, South Africa

2002   Martins, A, Eloff, J.H.P., 2002*, Promoting information security culture through an information security culture model*, Proceedings of ISSA2002, July 2002, Johannesburg, South Africa

2002   Robbertze, L, Eloff, J.H.P., 2002, *Information Security Implementation Methodologies,* Proceedings of ISSA2002, July 2002, Johannesburg, South Africa

2002   Venter, HS, Eloff, J.H.P., 2002, *Generic Vulnerability Categories*, Proceedings of ISSA2002, July 2002, Johannesburg, South Africa

1999   Eloff, J.H.P., 1999, *Designing and maintaining secure software systems,* Info Sec Africa 99 Conference Johannesburg, South Africa

1999   Eloff, J.H.P., 1999, *Holistic view to information security* conference SUN Johannesburg, South Africa

1999   Eloff, J.H.P., 1999, *Web browsers and Information Security issues* conference SUN Johannesburg, South Africa

1999   Eloff, J.H.P., von Solms, SH 1999, *Information security – benchmarking* Infosec 99 Johannesburg, South Africa

1998   Eloff, J.H.P., 1998, *Firewall technology and Internet Security,* Information Security '98 Conference, Johannesburg, South Africa

1998   Eloff, J.H.P., 1998, *Groupware and Information Security,* Special Interest Group for Information Security, Johannesburg, South Africa

1998   Eloff, J.H.P., 1998, *Network Security: Understanding the Java Security Model* Disaster Recovery and Information Security Conference, Midrand, South Africa

1995   Eloff, J.H.P., 1995, *Implementing 3 critical procedures to identify, manage and minimise your organisation's I.T. security risk: How vulnerable is your information system,* Proceedings of I.T. Security, Johannesburg, South Africa

1995   Eloff, J.H.P., 1995, *Information Security Research,* Proceedings of the 7th Annual Computer Society of South Africa Conference, Johannesburg, South Africa

1995   Eloff, J.H.P., 1995, *Methodology for implementing information security in a large organization,* ISCOR Information Security Seminar, Pretoria, South Africa

1995   Eloff, J.H.P., 1995, *Minimise the vulnerability of your organisation,* Proceedings of Corporate Crime: I.T. Security Alert, Johannesburg, South Africa

1995   Eloff, J.H.P., Labuschagne, L, 1995, *Activating dynamic countermeasures to reduce risk,* Proceedings of the 7th Annual Computer Society of South Africa Conference, Johannesburg, South Africa

1995   Labuschagne, I, Eloff, J.H.P., 1995, *Object Orientation Analysis (OOA): A new approach that challenges traditional design of systems,* Proceedings of the second Annual Object Orientation Conference, Johannesburg, South Africa

1993   Booysen, HAS, De Ru, WG, Eloff, J.H.P., 1993, *New Technologies in Information Security,* Proceedings of Information Security Seminar, Johannesburg, South Africa

1993   Booysen, HAS, De Ru, WG, Eloff, J.H.P., 1993, *New Technologies: Expert Systems and CASE,* Proceedings of Computer Fraud and Counter Measures, Johannesburg, South Africa

1993   Eloff, J.H.P., 1993, *Information Security: What are the risks involved?,* Proceedings of EIS: "The link with Management Information Systems", Johannesburg, South Africa

1993   Eloff, J.H.P., Van Dyk, P, 1993, *Information Security in Financial Institutions,* Proceedings of the Banking Technology Seminar, Johannesburg, South Africa

1992   Eloff, J.H.P., 1992, *Computer Security Investigation in an Organisation,* Management approaches to Information security in South Africa, Special Interest Group for Information Security, Johannesburg, South Africa

1992   Eloff, J.H.P., Klut J, 1992, *MethoDex: A Methodology for expert system development,* Expert'92, Pretoria, South Africa

1991   Eloff, J.H.P., Marais, JL, 1991, *On software defects in application user interfaces,* Proceedings of SAIEE'91, Johannesburg, South Africa

1991   Eloff, J.H.P., Marais, JL, 1991, *The implementation of Gadgets User Interface Management System,* Proceedings of SAIEE'91, Johannesburg, South Africa

1990   Badenhorst, KP.& Eloff, J.H.P., 1990, *Computer security methodology: risk analysis and project definition,* Proceedings of INFOSEC'90, Pretoria, South Africa

1990   Eloff, J.H.P., Van Dyk, P, 1990, *RAUSEC: A microcomputer security model,* Proceedings of INFOSEC'90, Pretoria, South Africa

1989   Eloff, J.H.P., Eloff, MM, 1989, *A Methodology for the Management of End-user Computing,* Proceedings of 5th South African Computer Congress, Johannesburg, South Africa

1981   Eloff, J.H.P., (1981) *Selection Process for Security Packages* Proceedings of the 2nd South African Computer Symposium Pretoria, South Africa

3.5.7. PROCEEDINGS / BOOKS / BOOKS CHAPTERS / TEXTBOOKS

2014   Eloff J.H.P., Eloff M.M., Bihina Bella, M.A., Isherwood D., Dlamini M., Ngassam E.K., (2012), Information Security Innovation: Personalisation of Security Services in a mobile cloud infrastructure, A Kayem and C Meinel (Editors), "Information Security in Diverse Computing Environments", United States of America, Hershey PA: Information Science Reference (imprint of IGI Global) pp 303-315, 978-1-4666-6161-5. DOI DOI: 10.4018/978-1-4666-6158-5.ch016

2014   De Bruin J.A., Malan K.M., Eloff, J.H.P., Zielinski M., The Use of a Benchmark Fixation Deviation Index to Automate Usability Testing, chapter 6 in "I see me, you see me: inferring cognitive and emotional processes from gazing behaviour". Pedro Santos Pinto Gamito and Pedro Joel Rosa (Editors), Cambridge Scholar Publishing, Lisbon, first ed, 2014, p104-124, (258 pages)

2013   Eloff, J.H.P., Eloff, M.M., Dlamini, M.T., Ngassam, E. and Ras, D. (2013) Interoperability as a Catalyst for Business Innovation, Chapter 4 in Enterprise Interoperability: Research and Applications in Service-oriented Ecosystem (Proceedings of the 5th International IFIP Working Conference. Enterprises Applications and Software) 1st Edition. (eds M. Zelm, M. van Sinderen, L.F. Pires and G. Doumeingts), pp 33-46, John Wiley & Sons, Ltd, Chichester, UK. doi: 10.1002/9781118846995.ch4, Print ISBN: 9781848216624, Online ISBN: 9781118846995,

2012   Baduza G., Eloff J. H.P., Kok D., Encarnação J., Merz Ch., Przewloka M., GUI 4D - The Role and the Impact of Visual, Multimedia and Multilingual User Interfaces in ICT Applications and Services for Users Coming from the Bottom of the Pyramid—First Concepts, Prototypes and Experiences., chapter 13 in "Expanding the Frontiers of Visual Analytics and Visualization" J. Dill, R. A. Earnshaw, D. Kasik, J. A. Vince, P. C. Wong (Editors) Springer, 2012, p209-237, 519 pages, 222 illustrations in color, ISBN 978-1-4471-2803-9, https://doi.org/10.1007/978-1-4471-2804-5_13 https://sites.google.com/site/visualanalyticsflyer/ http://www.springer.com/computer/hci/book/978-1-4471-2803-8?changeHeader

2008   Eloff, J.H.P., Granova, A. (2008) Information Warfare, Chapter 39, in Computer and Information Security Handbook, p 677 - 690, Elsevier, 2008, ISBN 978-0-12-374354-1

2008   Venter H.S., Eloff, M.M., Eloff, J.H.P. and Labuschagne L, (Editors) (2008), Proceedings of the ISSA 2008 Innovative Minds Conference, 7 – 9 July 2008 School of Tourism & Hospitality, University of Johannesburg, Johannesburg, South Africa, ISBN 978-1-86854-693-0

2007   Venter H.S., Eloff, M.M., Labuschagne L, Eloff, J.H.P. and Von Solms, R, (Editors) (2007), New Approaches for Security, Privacy and Trust in Complex Environments, Proceedings of the IFIP TC 11 22nd International Information Security Conference (SEC 2007), 14-16 May 2007, Sandton, South Africa Series: IFIP International Federation for Information Processing , Vol. 232, Venter, H.; Eloff, M.; Labuschagne, L.; Eloff, J.; Von Solms, R. (Eds.) 2007, XVI, 498 p. 100 illus., Hardcover ISBN: 978-0-387-72366-2

2006   Venter HS, Eloff, J.H.P., Labuschagne L, and Eloff, MM (Editors) (2006), from Insight to Foresight, Proceedings of the 6TH Annual International Information Security South Africa (ISSA) conference, 5 - 7 July 2006, Johannesburg, South Africa, ISBN 1-86854-636-5

2005   Venter HS, Eloff, J.H.P., Labuschagne L, and Eloff, MM (Editors) (2005), New Knowledge Today, Proceedings of the 5TH Annual International Information Security South Africa (ISSA) conference, 29 June - 1July 2005, Johannesburg, South Africa, ISBN 1-86854-625X

2004   Venter HS, Eloff, J.H.P., Labuschagne L, and Eloff, MM (Editors) (2004), *enabling tomorrow,* Peer-reviewed Proceedings of the ISSA 2004 Conference, 30 June – 2 July 2004, Gallagher Estate, Midrand, 440 pages, ISBN 1-86854-522-9

2003   Eloff, J.H.P., Engelbrecht A, Kotzé P and Eloff, MM (Editors) 2003*IT Research in Developing Countries,* Proceedings of the annual South African Institute of Computer Scientists and Information Technologists conference (SAICSIT), 319 pages, Unisa Press, 2003, ISBN 1-58113-774-5

2003   Eloff, J.H.P., Venter HS, Labuschagne L, and Eloff, MM (Editors) (2003), *ISSA 2003 – The Future Secured,* Proceedings of the 3rd Annual Information Security South Africa Conference, 368 pages, Unisa Press, 2003, ISBN 1-86854-485-0

2001   Eloff, J.H.P., Labuschagne L, Von Solms, R, Dhillon G., (2001) *Advances in Information Security Management and Small Systems Security* IFIP, Kluwer Academic Publishers, 212 pages, ISBN 0-7923-7506-8

2000   Eloff, J.H.P., Von Solms, S.H., (2000), *Information Security,* 130 pages, RAU

2000   Qing, S, Eloff, J.H.P., (2000) *Information Security for Global Information Infrastructures* (Proceedings of the Sixteenth Annual International Conference on Information Security, IFIPSEC 2000, August 22-24, 2000, Beijing, China) Kluwer Academic Publishers, 528 pages, ISBN 0-7923-8626-4-0

1999   Eloff, J.H.P., Labuschagne, L, Von Solms, R, Verschuren, J 1999,*Information Security Management & Small Systems Security* (Proceedings of the Seventh Annual Working Conference of WG 11.1 & WG 11.2 of Technical Committee 11 of IFIP; Amsterdam, The Netherlands) Kluwer Academic Publishers, 240 pages, ISBN 0-7923-8626-4

1998   Eloff, J.H.P., Von Solms, R 1998,*Information Security – Small Systems Security & Information Security Management – 2* (Proceedings of the sixth working conference of WG 11.1 & WG 11.2 of Technical Committee 11 of IFIP; Vienna/Budapest, Austria/Hungary) IFIP, ISBN 0-86970-437-0

1997   Eloff, J.H.P., Von Solms, R 1997,*Information Security - from Small systems to management of secure infrastructures – 1* (Proceedings of the working conference of WG 11.1 & WG 11.2 of Technical Committee 11 of IFIP; Copenhagen, Denmark) IFIP, ISBN 0-86970-424-0

1996   Eloff, J.H.P., 1996,*Small System Security* (Proceedings of the working conference of WG 11.2 of Technical Committee 11 of IFIP; Samos, Greece) RAU

1996   Badenhorst KP, Eloff, J.H.P., *Transaction Model*, part of chapter "Models of Risk Analysis" p 562-567, in Carroll, JM (1996), *Computer Security* 3rd edition, Butterworth-Heineman, ISBN 0-7506-9600-1

1995   Eloff, J.H.P., Von Solms, SH 1995, *Information Security – the Next Decade* (Proceedings of the IFIP TC11 eleventh international conference on information security, IFIP/Sec '95, May 1995, Cape Town, South Africa) Chapman & Hall, ISBN 0-412-64020-1

1991   Eloff, J.H.P., Von Solms, SH (1991) *Computer programming: Problem solving* Perskor ISBN 0-628-03457-1

1990   Eloff, J.H.P., & Von Solms, SH 1990, *Inleiding tot Algoritme ontwikkeling* Perskor

3.5.8. PROTOTYPES & TECHNICAL DEMONSTRATIONS AT INTERNATIONAL TECHNOLOGY EXHIBITIONS

2014   JHP Eloff and Team, Business in Your Pocket (BiYP), Pilot for Vodacom successfully completed and handed over for commercialisation, South Africa with extensive international collaboration

2014   JHP Eloff and Team, Business in Your Pocket (BiYP), Mobile Business services for very small enterprises in services industry, November 2014, Berlin

2013   JHP Eloff and Team, Dashboard prototype developed in our lab under my leadership won the EMEA SAP Dashboard competition

2013   JHP Eloff and Team, Detecting counterfeit medicine – a prototype developed under my leadership was selected as a candidate for the ITU young entrepreneur world finals

2010   JHP Eloff and Craig Haworth, Sybase, *Business Services for Very Small Enterprises*, TechEd, Berlin, Germany, October 2010

2010   JHP Eloff, A web services prototype for small businesses, Saphire Now, Frankfurt, Germany

2010   JHP Eloff, Prototype Demo: '*Connected Worlds – Linking Spaza Shops (VSEs) to Advanced Software Business Platforms'*, at CeBIT, Hannover, Germany, March 2010

3.5.9. KEYNOTES AND INVITED PRESENTATIONS AND PARTICIPATION

2015   Eloff, J.H.P., (2015), Big Data and Data Science – protecting minors on the Internet – South African polict conference, Pretoria,– Nov 2015

2013   Eloff, J.H.P., (2013), Interoperability as a catalyst for Business Innovation, Keynote speech at the International workshop "Interoperability to support Business-IT alignment", International IFIP Working Conference on Enterprise Interoperability.
http://www.utwente.nl/ewi/is/events/IWEI2013/workshop2.html

2013   Eloff, J.H.P., (2013), Collaborating for Health, Invited speech - "2nd South African – German Workshop on IT-°©-based Technologies for Rural Health Care" – Feb 2013

2012   Eloff, J.H.P., (2012), Personalisation of Security Services in a mobile cloud infrastructure. Invited speech and panelist member - '2012 Africa-EU Cooperation Forum on ICT' - NOV. 28-29, 2012 - Lisbon, Portugal

2012   Eloff, J.H.P., (2012), Information Security Innovation - Personalisation of Security Services in a mobile cloud infrastructure. Keynote speech at ISSA workshop, August 2012, Johannesburg:

2011   Eloff, J.H.P., A Virtual Collaborative Ecosystem to Enhance and Drive Innovation, Keynote speaker, 2011 6th International Conference on Pervasive Computing and Applications (ICPCA) 25 – 29 October 2011, Port Elizabeth, South Africa

2010   Eloff, J.H.P., invited participant at "Trust in the Information Society", Leon, Spain, 10 – 11 February 2010, https://trustworthyict.inteco.es/index.php/en

2009   Eloff, J.H.P., (2009) 'A South African Perspective for the Irish Future Internet Forum' presented at the Second Irish Future Internet Forum: Towards a Trustworthy Future Internet, View on Global perspective; Dublin, Ireland, 3 December 2009, http://www.future-internet.ie/FutureInternet/index.php

2009   Eloff, J.H.P., invited delegate: Knowledge Exchange Fund Study Visit to Finland, SAFIPA, Helsinki, Finland, 26 – 30 October 2009,

2009   Eloff, J.H.P., Keynote speaker and Invited panelist, ISSA 2009, Johannesburg, South Africa, July 2009

2009   Eloff, J.H.P., Public Private Partnerships invited delegate to Panel Discussion at 1st Euro-Africa Cooperation Forum on ICT Research, (EuroAfrica2009), Co-organised by the European Commission and the African Union Commission (AUC) with the support of the EuroAfriCa-ICT project, a FP7 coordination and support action aiming at enhancing ICT research cooperation between Europe and sub-Saharan Africa. Brussels, Belgium, 25 - 26 March 2009

2008   Eloff, J.H.P., invited delegate: ICT Event 2008, Europe's largest ICT research event in 2008, organised by the European Commission in cooperation with the French Presidency of the European Union, Lyon, France, 25 - 27 November 2008

2007   Eloff, J.H.P., (2007), Information Security Framework, Information Security Workshop '07, Universitat Fribourg – iimt, 27 September 2007,

2006   Eloff, J.H.P., (2006), *Mobility – a new player in the game?,* iimt Security Brush-up Workshop 2006, Siemens Schweiz AG, Zürich, Switzerland, October 2006

2003   Eloff, J.H.P., (2003), *State of the Art Vulnerability Detection and Suggestions for improvement*, International Conference on Information and Communication Technology, 30 November – 2 December 2003, Cairo, Egypt

2003   Eloff, J.H.P., (2003), *Information / Computer Security: International Standards* Standardization: information and communication technologies, National Standards Conference, 9 October 2003, CSIR Conference Centre, Pretoria, South Africa

2003   Eloff, J.H.P., 2003, *Defining New Security Business Structures,* Thought Leadership in Security, Giving CSOs the Competitive Edge, September 29th to 1st Oct, 2003, Unisys, International Management Centre, Saint-Paul-de-Vence, France

2003   Eloff, J.H.P., (2003), *Measuring Information Security - State of the art and best practices,* iimt Information Security Brush-Up Workshop, Fribourg, Switzerland, February 2003

2003   Eloff, J.H.P., (2003), *Information Security Management - certification and benchmarking,* iimt INFORMATION SECURITY BRUSH-UP WORKSHOP, Fribourg, Switzerland, February 2003

2002   Eloff, J.H.P., (2002), *Information Management Architecture – an overview* Information Security Architectures Workshop, Fribourg, Switzerland, February 2002

2002   Eloff, J.H.P., (2002), *Tactical level – an overview of the latest trends in risk analysis, certification, best practices and international standards* Information Security Architectures Workshop, Fribourg, Switzerland, February 2002

2002   Eloff, J.H.P., (2002), *How to develop an Information Security Policy* Information Security Architectures Workshop, Fribourg, Switzerland, February 2002

3.5.10. OTHER PUBLICATIONS – EDITORIALS, POLICIES, STANDARDS

2009   Dimitris Gritzalis, Editor-in-Chief and Jan Eloff, Associate Editor (February 2010), Computers & Security Volume 29, Issue 1, Pages 1-2 Editorial

2008   Contributing member of JTC 1/SC 27 - IT Security techniques: ISO/IEC 27005:2008, Information technology -- Security techniques -- Information security risk management

2005   Contributing member of JTC 1/SC 27 - IT Security techniques: ISO/IEC 27002:2005, Information technology -- Security techniques -- Code of practice for information security management

4. OTHER SCHOLARLY RESEARCH BASED CONTRIBUTIONS

4.1. MANAGEMENT / ORGANISATION AND PARTICIPATION (CONFERENCES AND WORKSHOPS)

2012   Participated in the Africa-EU Cooperation Forum on ICT in 2012 in Lisbon, Portugal as South African representative

2001-2006   South African representative of the ISO/IEC JTC1/ SC27/WG1 working group meetings for SABS from 2001-2006.

1995-   Participated in various international and national conferences and workshops as organising Committee Member or programme committee member since 1995, amongst others IFIP SEC conferences, ISO/IEC JTC 1/SC 27 Workgroup meetings, SAICSIT Conferences, ISSA Conferences

4.2. MEMBERSHIP OF NATIONAL AND INTERNATIONAL BODIES
List all the scientific associations or societies to which you belong. Name your involvement, e.g. honorary member, founder member, full member, chairperson, president, secretary, and dates of such involvement.

2004 – 2006   President of the South African Institute of Computer Scientists and Information Technologists (SAICSIT)

2002 – 2004   Vice-President of the South African Institute of Computer Scientists and Information Technologists (SAICSIT)

2002 – 2007   Chairperson for SABS committee: SC 71F: Information Security

1990 – 2002   Chairperson of Special Interest Group of Information Security, South Africa (ISSIG)

1995 – 2001   Chairperson of international work group IFIP WG11.2 – Small Systems Security

1995 –   Member of Technical Committee 11 of IFIP (South African representative of IFIP TC11)

4.3. TEAMWORK AND COLLABORATION WITH OR VISITS TO LOCAL AND OVERSEAS UNIVERSITIES OR RESEARCH INSTITUTES

2001 – 2011   Annually invited guest professor at the International Institute of Management in Telecommunications, University of Fribourg, Switzerland, presenting a module on information security

2000, 1994   Guest professor on invitation at University of Zurich, Switzerland for the summer semester

5. RECOGNITION OF ACHIEVEMENTS, PROFESSIONAL SKILLS AND COMMUNITY SERVICE

5.1.   AWARDS AND MEDALS

2013	2013 Academic Achievers recipient, University of Pretoria,
2009	One of the top 25 most downloaded articles in the last quarter of 2009: Dlamini, M., Eloff, J.H.P., Eloff, M.M., 2009, *Information Security: The Moving Target*, Computers & Security 28(3-4) May-June 2009, pp. 189-198, http://dx.doi.org/10.1016/j.cose.2008.11.007
2008	Leading Minds in Research Award. This award honours the University of Pretoria's Leading Minds for research contributions over the past hundred years.
2006 – 2008	Outstanding Academic Achiever Award, University of Pretoria This award recognizes exceptional academic achievement and research efforts at the University of Pretoria.
2009 – 2011	Outstanding Academic Achiever Award, University of Pretoria
2007	Literati Award for the following research paper: Marijke Coetzee, J.H.P. Eloff (2007), "Web services access control architecture incorporating trust", Internet Research, Vol.17, No. 3,
2001	International Federation for Information Processing (IFIP) Silver Core and Outstanding Services Award for his long-term services to the IFIP.
2001	Literati Award for the paper: Reinhardt A. Botha, Jan H.P. Eloff (2001), "A framework for access control in workflow systems", Information Management & Computer Security, 9(3) 126-133

5.2.   BOARD AND ADVISORY PANEL MEMBERSHIPS

2016	Member of the evaluation panel of the Swiss South African Joint Research Programme (SSAJRP) Joint Research Projects, under the auspices of the Swiss National Science Foundation (SNSF) and South African National Science Foundation (NRF)
2016	Invitation member of the DST / CSIR NICIS Tier2 Data NODE Proposal Call Evaluation Panel, the review and evaluation panel to adjudicate proposals received from consortia of South African (SA) Higher Education Institutions to establish and host a regional Tier 2 data node (T2NODE).
2016	Invited member of the CSIR Meraka Institute Research Advisory Panel (RAP). The RAP is a high level external panel composed of members in industry, academia and government. The responsibilities of the RAP are to advise on CSIR Meraka's strategic research direction and portfolio; to review the quality of the research undertaken and the research outputs produced; and to provide a peer review of Meraka's performance against its stated research objectives.
2016	Invited Task team member of Department of Science and Technology Cybersecurity Research, Development & Innovation agenda for South Africa
2015	Invited task team member of the Joint Government-Industry Task team on the Research and Development Tax Incentive in the Department of Science and Technology
2014 –	Member of the Advisory Committee of the Department of Computer Science, Faculty of Engineering, Built Environment & Information Technology, University of Pretoria
2002 – 2012	Board member of SoftstartBTI, an ICT entrepreneurial development company in South Africa until
2002 – 2007	Member of the board of Roedean School (SA), Parktown, Johannesburg
2002 – 2004	Member of the scientific review panel of the NRF for Mathematical Sciences

5.3.	INDUSTRY COURSES COMPLETED

2014   'An Introduction to SAP HANA', an openSAP course offered by Dr. Vishal Sikka, completed successfully with a mark of 86.7% (April 2014)
This course covered the following topics:
  •   Introduction and Background of SAP HANA
  •   SAP HANA Technology
  •   SAP HANA Performance Benchmarks
  •   SAP HANA Roadmap and Re-thinking Software Development
  •   SAP HANA in Practice

5.4.	CONSULTATION TO INDUSTRY

- Advice and guidance for establishment of information and computer security architectures
- Revising and preparing information security policy documents
- Information security risk analysis
- Detail information security reviews for large corporate organisations using well-established information security methodologies

5.5.	PROFESSIONAL SOCIETIES

Member of the South African Institute of Computer Scientists and Information Technologists (SAICSIT).

5.6.	EXTERNAL EXAMINER

Act as external examiner of various subjects for University of Johannesburg, UNISA, North West University, University of the Free State, VISTA University and the Institute of Chartered Accountants

5.7.	EXTERNAL EXAMINER OF DISSERTATIONS / THESES			
University	Degree	Year	Candidate	Title
University of South Africa	MSc	2016	du Toit, P.	An Evaluation of Non-Relational Database Management Systems as Suitable Storage for User Generated Text-Based Content in a Distributed Environment
Deakin University	PhD	2016	Pallegedara DRS	Minimising the Unauthorised Disclosure of Organisational Information via Social Media
University of Melbourne	PhD	2012	Shedden, P.	Protecting information and knowledge assets in organisations: towards an integrative approach
Nelson Mandela University	PhD	2011	Ophoff, J.	A Model for Personal Privacy Management in Cellular Communications
University of Melbourne	PhD	2010	Maynard, Sean Brian	Strategic information security policy quality assessment: a multiple constituency perspective
University of Johannesburg	MSc	2010	Markides, B. M.	Trust in a decentralised mobile social network
University of KZN	MSc	2010	Gordon, R.L.	Trust Establishment in Mobile ad hoc Networks
University of Cape Town	PhD	2007	Arnab, A.	Towards a general framework for Digital Rights Management (DRM)

Royal Institute of Technology, University of Stockholm	MSc	2006	Tarimo, Charles N.	ICT Security Readiness Checklist for Developing Countries: A Social-Technical Approach
Royal Institute of Technology, University of Stockholm	PhD	2000	Frisinger, Ann	Security in the Networked Education Process

5.8. EDITORIAL BOARD AND REFEREE WORK FOR INTERNATIONAL JOURNALS

From 2007 to date I am an associate-editor of the world-leading Computers & Security journal published by Elsevier.

I am on the editorial panel for the international Computer Fraud & Security bulletin published by Elsevier since 2004.

I reviewed the South African Computer Journal (SACJ) for the Academy of Science of South Africa (ASSAf) in order to confirm the journal's standing for DHET subsidy purposes.

I am on the editorial advisory board for Information & Computer Security published by Emerald since 2003.

5.9. OTHER REFEREE WORK

Reviewer for the Research Council of Norway: Project application of Audun Josang, 2010

Appointment panel for Professor position at Royal Institute of Technology, Stockholm, Sweden

Referee work for the **National Research Foundation of South Africa**

Referee work for the **Australian Research Council**

Reviewer for the NRF-Royal Society Initiative grant application.

Referee work for the National Science Foundation, **Switzerland**

5.10. EVALUATION STATUS AS SCIENTIST

2002 - 2018   B rating

Evaluated by the National Research Foundation of South Africa as an independent researcher enjoying considerable international recognition for the high quality and impact of research outputs. (B-rating)

1993 - 2002   C rating:

Evaluated by the National Research Foundation of South Africa as an established researcher who, as individuals or members of a team, produce research outputs of an international standard which are appreciated by the science, engineering or technological community internationally.

1988 - 1993   Y rating:

Young researcher who are recognized as having the potential to establish themselves

National Research Foundation of South Africa website: http://www.nrf.ac.za/

5.11.	COMMUNTY SERVICE

2003 – 2008   PumaScope project, joint project between Finish Government, Mpumalanga Education Department and Department Computer Science(UP)

5.12.	OTHER (RADIO INTERVIEWS, NEWSPAPER ARTICLES, POPULAR PRESS

2011   "Putting Spaza shops and other very small enterprises in the fast lane: ICT in the service of emerging economies" Biffy van Rooyen, ScienceScope, CSIR

2010   Eloff J.H.P., 2010, "The bridge builders" Front cover article – SAP World Issue 2/2010

2010   Radio interview on prototype development for mobile phones for Spaza shop owners in rural areas - CeBIT, Hannover, Germany, 2 – 6 March 2010, Deutche Welle - TV press films and footage available at http://cebitdownload.filmplattform.com/ username: presse password: film

2010   ITWeb article: 'Spaza owner wows CeBIT', By Jovan Regasek, ITWeb publisher and CEO, Germany, 2 Mar 2010
http://www.itweb.co.za/index.php?option=com_content&view=article&id=30914:spaza-owner-wows-cebit&catid=69.

2009   Eloff J.H.P., 2009 "Telecommunications: Demand blossoms but the infrastructure is creaky" interviewed by Tom Burgis, Financial Tmes, July 16, 2009
http://search.ft.com/search?queryText=eloff&ftsearchType=type_news

2009   Eloff J.H.P., 2009, "Case study: Text messages give shopkeepers the power to bulk buy", interviewed by Tom Burgis, Financial Tmes, May 28, 2009,
http://search.ft.com/search?queryText=eloff&ftsearchType=type_news

2009   Eloff J.H.P., 2009 "New SAP Meraka UTD research director aims for collaboration" IT web,18 Feb 2009 Business, www.itweb.co.za

2008   Eloff J.H.P., 2008 "Banks clam up as clients lose millions in scam"; "Victim's SIM swop fraud nightmare"; "Don't be duped"; Interviewed by Justine Gerardy, Saturday Star, regarding Sim swop fraud, 12 January 2008.

6. TEACHING AND LECTURING DUTIES

Offered various Computer Science and Information Systems courses and modules on both undergraduate and post graduate level, at various universities, including the University of Johannesburg (formerly known as Rand Afrikaans University) and the University of Pretoria.

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