AUEB INFOSEC Publications 2017B

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1. Scope

INFOSEC is an ad-hoc, inter-university and multi-disciplinary laboratory. As a laboratory, it belongs to the Department of Informatics of the Athens Unversity of Economics and Business (AUEB), which is located in Athens, Greece.

The founder and Director of the INFOSEC Laboratory is Dr. Dimitris Gritzalis, who is the Associate Rector for Research of AUEB and a Professor (ICT Security) at the Dept. of Informatics. INFOSEC experts includes academic staff, post-doctoral researchers, external experts, and doctoral students.

This report includes a list of selected publications, in which at least one of the authors is a researcher and member of the Information Security and Critical Infrastructure Protection (INFOSEC) Laboratory. The selected publications have appeared in (peer-reviewed) journals, conferences or workshops. Also, a number of them are proceedings of international conferences, in which at least one of the editors is a member of INFOSEC.

2. Research topics

The main topics, in which members of the INFOSEC Laboaratory have been carrying out research and publishing papers, appear in Table 1.

Advanced Persistent Threats	Infrastructure Protection	Risk Assessment
Cloud Security	Insider Threat	Security Education
Computer Security	Intrusion Detection	Secure e-Voting
Data Protection	Malware	Social Media Intelligence
Digital Forensics	Medical Data Security	Software Security
Hacking & Hacktivism	Open Source Intelligence	Spam over IT (SPIT)
Information Systems Security	Privacy	3D Printing

Table 1: *Main research topics*

3. Authors

The the (co-)authors of the selected papers, who are members of the INFOSEC Laboratory, are:

Academic staff

Professor Dimitris Gritzalis, AUEB (GR)
Professor Theodore Apostolopoulos, AUEB (GR)
Professor Vassilis Katos, Bournemouth University (UK)
Professor Lilian Mitrou, University of the Aegean (GR)
Professor Costas Lambrinoudakis, University of Piraeus (GR)
Assistant Professor Panos Kotzanikolaou, University of Piraeus (GR)
Assistant Professor Panagiotis Katsaros, Aristotle University of Thessaloniki (GR)
Lecturer Alkmini Gkritzali, Unversity of Surrey (UK)
Lecturer Alexios Mylonas, Bournemouth University (UK)

Adjunct Lecturer Stelios Dritsas
Adjunct Lecturer George Stergiopoulos

Post-Doctoral Researchers (alphabetical order)

Dr. Miltiadis Kandias
Dr. Konstantinos Moulinos
Dr. Ioannis Soupionis
Dr. Marianthi Theocharidou
Dr. Nikos Tsalis
Dr. Vasilis Tsoumas
Dr. Nikos Virvilis

Doctoral Students (alphabetical order)

Mr. George Iakovakis
Mrs. Georgia Lykou
Mrs. Despoina Mentzelioti
Mr. Kyriakos Pierrakakis
Mr. Kosmas Pipyros

4. Journals

A list of peer-reviewed journals, in which members of the INFOSEC Laboratory have published papers either as single authors or as co-authors appear in Table 2.

s/n	Journal title
1	ACM Computing Surveys
2	ACM SIGMETRICS PER
3	Computer Communications
4	Computers & Security
5	Health Informatics Journal
6	IEEE Security & Privacy
7	Information & Computer Security
8	International Journal of Critical Infrastructure Protection
9	International Journal of Electronic Security & Digital Forensics
10	International Journal of Information Security
11	International Journal of Medical Informatics
12	International Journal of Risk Assessment and Management
13	International Journal of Social Networks Mining
14	Journal of Biomedical Computing
15	Journal of Computer Security
16	Journal of Travel Research
17	Medical Informatics Journal
18	Medical Systems Journal
19	Telematics and Informatics

Table 2: *Journals*

5. Conferences and workshops

A list of peer-reviewed conferences and workshops, in which members of the INFOSEC Laboratory have published the results of their work, either as single authors or as co-authors, appear in Table 3.

s/n	Conference/Workshop name
1	ACM Computer and Communications Security Conference (CCS)
2	ACM Workshop on Privacy in the Electronic Society (WPES)
3	ACM Workshop on Security and Privacy in e-Commerce (SPEC)
4	ACM Workshop on Critical Infrastructure Network Security (CINS)
5	European Symposium on Research in Computer Security (ESORICS)
6	IEEE Conference on Cloud Computing Technology and Science (CloudCom)
7	IEEE Databases and Expert Systems Applications Conference (DEXA)
8	IEEE International Conference in Global Security, Safety and Sustainability (GSSS)
9	IEEE International Conference on Advanced Information Networking and Applications
10	IEEE International Conference on Autonomic and Trusted Computing (ATC)
11	IEEE International Conference on Computer Communications and Networks (CCN)
12	IEEE International Workshop on Information Assurance (WIA)
13	IEEE Symposium on Computers and Communications (C&C)
14	IFIP Communications and Multimedia Security Conference (CMS)
15	IFIP Conference on Security in Information Systems (SIS)
16	IFIP International Conference on Critical Infrastructure Protection (CIP)
17	IFIP International Conference on New Technologies, Mobility and Security (NTMS)
18	IFIP International Conference on Trust Management (TM)
19	IFIP International Information Security and Privacy Conference (SEC)
20	International Computer Ethics Conference (CEPE)
21	International Conference on Availability, Reliability and Security (ARES)
22	International Conference on Critical Infrastructure Security (CRITIS)
23	International Conference on Human Aspects of Information Security, Privacy & Trust (HCI)
24	International Conference on Network and System Security (NSS)
25	International Conference on Risks and Security of Internet and Systems (CRiSIS)
26	International Conference on Security and Cryptography (SECRYPT)
27	International Conference on Trust, Privacy & Security in Digital Business (TRUSTBUS)
28	International Symposium on Engineering Secure Software and Systems (ESSOS)
29	International Workshop on Security and Trust Management (STM)
30	Mediterranean Conference on Information Systems (MCIS)
31	World Conference on Information Security Education (WISE)
32	World Congress on Medical Informatics (MEDINFO)

Table 3: *Conferences and workshops*

6. Conference proceedings

Table 4 includes the title of the conference, the proceedings of which were edited by a team of editors including at least one member of INFOSEC Laboratory.

s/n	Conference name
1	European Symposium on Research in Computer Security (ESORICS)
2	IFIP International Information Security and Privacy Conference (SEC) (4 conferences)
3	International Conference on Critical Infrastructure Security (CRITIS)
4	International Conference on Cryptology and Network Security (CANS)
5	International Conference on Reliability, Quality and Safety of Software-Intensive Systems
6	World Conference on Information Security Education (WISE)

Table 4: *Conference proceedings*

References

1. Bologna S., Hammerli B., Gritzalis D., Wolthusen S. (Eds.), *Proc. of the 6th International Workshop on Critical Information Infrastructure Security* (CRITIS-2011), Springer (LNCS 6983), Switzerland, September 2011.

2. Denault M., Gritzalis D., Karagiannis D., Spirakis P., "Intrusion detection: Evaluation and performance issues of the SECURENET system", *Computers & Security*, Vol. 13, No. 6, pp. 495-508, October 1994.

3. Doumas A., Mavroudakis K., Gritzalis D., Katsikas S., "Design of a neural network for recognition and classification of computer viruses", *Computers & Security*, Vol. 14, No. 5, pp. 435-448, October 1995.

4. Dritsas S., Gritzalis D., "An ontology-driven antiSPIT architecture", in *Proc. of the 3rd International Conference on e-Democracy* (eDemocracy-2009), Sideridis A., et al. (Eds.), pp. 189-198, Springer (LNICST 26), Greece, March 2010.

5. Dritsas S., Gritzalis D., Lambrinoudakis C., "Protecting Privacy and Anonymity in Pervasive Computing: Trends and Perspectives", *Telematics and Informatics* Journal, Vol. 23, No 3, pp. 196-210, 2006.

6. Dritsas S., Mallios J., Gritzalis D., Labrinoudakis C., "Applicability of Privacy Enhancing Technologies in Ubiquitous Computing environments", in *Proc. of the IEEE Workshop on Security, Privacy and Trust in Ubiquitous Computing* (SecPerU-2005), pp. 61-70, IEEE Press, Greece, August 2005.

7. Dritsas S., Mallios J., Theocharidou M., Marias G., Gritzalis D., "Threat analysis of the Session Initiation Protocol, regarding spam", in *Proc. of the 3rd IEEE International Workshop on Information Assurance*, pp. 426-433, IEEE Press, New Orleans, April 2007.

8. Dritsas S., Soupionis J., Theocharidou M., Mallios J., Gritzalis D., "SPIT Identification Criteria Implementations: Effectiveness and Lessons Learned", in *Proc. of the 23rd International Information Security Conference* (SEC-2008), Samarati P., et al. (Eds.), pp. 381-395, Springer, Italy, September 2008.

9. Dritsas S., Tsaparas J., Gritzalis D., "A generic Privacy Enhancing Technology for pervasive computing environments", in *Proc. of the 3rd International Conference on Trust, Privacy and Security in Digital Business* (TrustBus'06), Furnell S., et al. (Eds.), pp. 103-113, Springer (LNCS 4083), Poland, September 2006.

10. Dritsas S., Tsoumas B., Dritsou V., Konstantopoulos P., Gritzalis D., "OntoSPIT: SPIT Management through Ontologies", *Computer Communications*, Vol. 32, No. 2, pp. 203-212, 2009.

11. Faily S., Lykou G., Partridge A., Gritzalis D., Mylonas A., Katos V., "Human-Centered Specification Exemplars for Critical Infrastructure Environments", in *Proc. of the 30th British Human Computer Interaction Conference* (HCI-2016), July 2016 (short paper).

12. Faily S., Stergiopoulos G., Katos V., Gritzalis D., "Water, water everywhere: Nuances for a Water Industry Critical Infrastructure specification exemplar", in *Proc. of the 10th International Conference on Critical Infrastructures Security* (CRITIS-2015), Springer, Germany, October 2015.

13. Furnell S., Gritzalis D., Katsikas S., Mavroudakis K., Sanders P., Warren M., "Methods of responding to healthcare security incidents", in *Proc. of the 9th World Congress on Medical Informatics* (MEDINFO '98), B. Cesnic, et al. (Eds.), pp. 1138-1142, South Korea, August 1998.

14. Gkritzali A., Gritzalis D., Stavrou V., "Is Xenios Zeus still alive? Destination image of Athens in the years of Recession", *Journal of Travel Research*, 2017 (to appear).

15. Gkritzali A., Mavragani H., Gritzalis D., "Negative MWOM and value co-destruction for destinations", in *Proc. of the 13th Tourism: Trends, Prospects and Implications for Enterprises and Destinations Conference* (IMIC-2017), Greece, October 2017.

16. Gritzalis D., Iseppi G., Mylonas A., Stavrou V., "Exiting the risk assessment maze: A meta-survey", *ACM Computing Surveys*, 2017 (to appear).

17. Gritzalis D., "Enhancing security and supporting interoperability in healthcare information systems", *Medical Informatics*, Vol. 23, No. 4, pp. 309-324, 1998.

18. Gritzalis D., "A baseline security policy for distributed healthcare information systems", *Computers & Security*, Vol. 16, No. 8, pp. 709-719, 1997.

19. Gritzalis D., "A digital seal solution for deploying trust on commercial transactions", *Information Management & Computer Security Journal*, Vol. 9, No. 2, pp. 71-79, March 2001.

20. Gritzalis D., "Embedding privacy in IT applications development", *Information Management & Computer Security Journal*, Vol. 12, No. 1, pp. 8-26, 2004.

21. Gritzalis D., "Principles and requirements for a secure e-voting system", *Computers & Security*, Vol. 21, No. 6, pp. 539-556, 2002.

22. Gritzalis D., De Capitani di Vimercati S., Samarati P., Katsikas S. (Eds.), *Proc. of the 18th IFIP International Information Security Conference* (SEC-2003), Kluwer Academic Publishers, USA, April 2003.

23. Gritzalis D., Furnell S., Theocharidou M. (Eds.), *Proc. of the 27th IFIP International Information Security Conference* (SEC-2012), Springer (AICT 376), Greece, June 2012.

24. Gritzalis D., Kandias M., Stavrou V., Mitrou L., "The Social Media in the history of information: Privacy violations and security mechanisms", in *Proc. of the History of Information Conference* (INFOHIST-2013), pp. 283-310, Law Library Publications, Greece, 2014.

25. Gritzalis D., Kantzavelou I., Katsikas S., Patel A., "A classification of health information systems security flaws", in *Proc. of the 11th International Information Security Conference* (SEC '95), Eloff J., et al. (Eds.), pp. 453-464, Chapman & Hall, South Africa 1995.

26. Gritzalis D., Karyda M., Gymnopoulos L., "Elaborating quantitative approaches for IT security evaluation", in *Proc. of the 17th IFIP International Information Security Conference* (SEC-2002), M. Hadidi, et al. (Ed.), pp. 67-78, Kluwer Academics, Egypt, May 2002.

27. Gritzalis D., Katos V., Katsaros P., Soupionis Y., Psaroudakis J., Mentis A., "The Sphinx enigma in critical VoIP infrastructures: Human or botnet?", in *Proc. of the 4th International Conference on Information, Intelligence, Systems and Applications* (IISA-2013), IEEE Press, Greece, July 2013.

28. Gritzalis D., Katsaros P., Basagiannis S., Soupionis Y., "Formal analysis for robust antiSPIT protection using model-checking", *International Journal of Information Security*, Vol. 11, No. 2, pp. 121-135, 2012.

29. Gritzalis D., Katsikas S., "Data confidentiality and user access rights in medical information systems", in *Proc. of the 7th World Congress on Medical Informatics* (MEDINFO '92), Lun K. (Ed.), pp. 1566-1571, North-Holland, Switzerland 1992.

30. Gritzalis D., Katsikas S., "Protection of personal information: Aims, principles, technical issues", in *Proc. of the 2nd IFIP Conference on Governmental Information Systems*, R. Traunmuller (Ed.), pp. 73-81, North-Holland, Hungary 1991.

31. Gritzalis D., Katsikas S., "Towards a formal system to system authentication protocol", *Computer Communications*, Vol. 19, No. 8, pp. 954-961, 1996.

32. Gritzalis D., Katsikas S., Darzentas J., "A high level security policy for health care establishments", in *Proc. of the 10th International Information Security Conference* (SEC '94), The Netherlands 1994.

33. Gritzalis D., Katsikas S., Gritzalis S., "A zero-knowledge probabilistic login protocol", *Computers & Security*, Vol. 11, No. 8, pp. 733-745, December 1992.

34. Gritzalis D., Katsikas S., Keklikoglou J., Tomaras A., "Data security in medical information systems: Technical aspects of a proposed legislation", *Medical Informatics*, Vol. 16, No. 4, pp. 371-383, September 1991.

35. Gritzalis D., Katsikas S., Keklikoglou J., Tomaras A., "Data security in medical information systems: The Greek case", *Computers & Security*, Vol. 10, No. 2, pp. 141-159, April 1991.

36. Gritzalis D., Katsikas S., Keklikoglou J., Tomaras A., "Determining access rights in medical information systems", *Computers & Security*, Vol. 11, No. 2, pp. 149-162, April 1992.

37. Gritzalis D., Katsikas S., Keklikoglou J., Tomaras A., "Medical data protection: A proposal for a deontology code", *Medical Systems Journal*, Vol. 14, No. 6, pp. 375-386, December 1990 (also in Berleur J.., et al (Eds.), *Ethics of Computing*, Chapman & Hall, February 1997).

38. Gritzalis D., Katsikas S., Pangalos G., "A methodology for the development of secure health information systems", in *Proc. of the 11th International Congress for Medical Informatics* (MIE '93), Reichert A. (Ed.), pp. 402-409, Freund Publishers, Israel 1993.

39. Gritzalis D., Kiayias A., Askoxylakis I. (Eds.), *Proc. of the 13th International Conference on Cryptology & Network Security* (CANS-2014), Springer (LNCS 8813), Greece, October 2014.

40. Gritzalis D., Kokolakis S., "Security Policy Development for Healthcare Information Systems", in *Advanced Health Telematics and Telemedicine*, pp. 105-110, B. Blobel, et al. (Eds.), IOS Press, The Netherlands, October 2003.

41. Gritzalis D., Kyrloglou N., "Consumer online-privacy and anonymity protection using infomediary schemes", in *Proc. of the 21st IEEE/SCCC Computer Science Conference*, R. Yates, et al. (Eds.), pp. 115-123, IEEE Press, Chile, November 2001.

42. Gritzalis D., Lambrinoudakis C., "A data protection scheme for a remote vital signs monitoring service", *Medical Informatics Journal*, Vol. 25, No. 2, pp. 207-224, Taylor & Francis, July 2000.

43. Gritzalis D., Lambrinoudakis C., "A security architecture for interconnecting health information systems", *International Journal of Medical Informatics*, Vol. 73, pp. 305-9, 2004.

44. Gritzalis D., Lopez J. (Eds.), *Proc. of the 24th IFIP International Information Security Conference* (SEC-2009), Springer (AICT 297), Cyprus, May 2009.

45. Gritzalis D., Mallios J., "A SIP-based SPIT management framework", *Computers & Security*, Vol. 27, Nos. 5-6, pp. 136-153, October 2008.

46. Gritzalis D., Marias G., Rebahi Y., Soupionis Y., Ehlert S., "SPIDER: A platform for managing SIP-based spam over Internet Telephony", *Journal of Computer Security*, Vol. 19, No. 5, pp. 835-867, 2011.

47. Gritzalis D., Mavroudakis K., Katsikas S., "Developing a European Computer Security Incident Reporting Service for Health Care", in *Implementing Secure Healthcare Telematics Applications in Europe*, The ISHTAR Consortium (Eds.), pp. 181-249, IOS Press, The Netherlands, December 2001.

48. Gritzalis D., Moulinos K., "Cryptographic libraries as a means to support privacy-enhanced information systems", in *Proc. of the 7th ACM Workshop on Security and Privacy in e-Commerce* (SPEC-2000), ACM Press, November 2001.

49. Gritzalis D., Moulinos K., Iliadis J., Lambrinoudakis C., Xarhoulacos S., "PyTHIA: Towards Anonymity in Authentication", in *Proc. of the 16th IFIP International Information Security Conference* (SEC-2001), Dupuy M., et al. (Eds.), pp. 1-18, Kluwer Academics, France, June 2001.

50. Gritzalis D., Moulinos K., Kostis K., A privacy-enhancing e-business model based on infomediaries", in *Proc. of the 1st International Conference on Methods, Models & Architectures for Network Security* (MMM-2001), V. Gorodetski, et al. (Eds.), pp. 118-129, Springer (LNCS 2052), Russia, May 2001.

51. Gritzalis D., Prenel B., Theocharidou M. (Eds.), *Proc. of the 16th European Symposium on Research in Computer Security* (ESORICS-2010), Springer (LNCS 6345), Greece, September 2010.

52. Gritzalis D., Stavrou V., Kandias M., Stergiopoulos G., "Insider Threat: Enhancing BPM through Social Media", in *Proc. of the 6th IFIP International Conference on New Technologies, Mobility and Security* (NTMS-2014), IEEE Press, UAE, April 2014.

53. Gritzalis D., Theocharidou M., Kalimeri E., "Towards an interdisciplinary information security education model", in *Proc. of the 4th World Conference on Information Security Education* (WISE-4), H. Armstrong, et al. (Eds), pp. 22-35, Russia, May 2005.

54. Gritzalis D., Tryfonas T., "Action learning in practice: Pilot delivery of an INFOSEC University laboratory course", in *Proc. of the 2nd IFIP World Conference on Information Security Education* (WISE-2), H. Armstrong (Ed.), IFIP Publications, pp. 169-182, Australia, July 2001.

55. Gritzalis D., Tsoumas V., "An assurance-by-ontology paradigm proposal: Elements of security knowledge management", in *Information Assurance & Computer Security* (NATO Security through Science Series, D: Information and Communication Security), Vol. 6, pp. 15-30, Johnson T. (Ed.), IOS Press, The Netherlands, 2006.

56. Gritzalis D., Anderson T. (Eds.), *Proc. of the 3rd IFIP International Conference on Reliability, Quality and Safety of Software-Intensive Systems* (ENCRESS-1997), Chapman & Hall, United Kingdom, May 1997.

57. Gritzalis S., Gritzalis D., Moulinos K., Iliadis J., "An integrated architecture for deploying a virtual private medical network over the Web", *Medical Informatics Journal*, Vol. 26, No.1, pp. 49-72, Cambridge University Press, March 2001.

58. Gritzalis S., Iliadis J., Gritzalis D., Spinellis D., Katsikas S., "Developing secure web-based medical applications", *Medical Informatics,* Vol. 24, No. 1, pp. 75-90, 1999.

59. Ikonomopoulos S., Lambrinoudakis C., Gritzalis D., Vassiliou K., "Functional requirements of a secure electronic voting system", in *Proc. of the 17th IFIP International Information Security Conference* (SEC-2002), M. Hadidi, et al. (Ed.), pp. 507-520, Kluwer Academics, Egypt, May 2002.

60. Iliadis J., Gritzalis D., Spinellis D., Preneel B., Katsikas S., "Evaluating certificate status information mechanisms", in *Proc. of the 7th ACM Computer and Communications Security Conference* (CCS-2000), S. Jajodia, et al. (Eds.), pp. 1-9, ACM Press, Greece, October 2000.

61. Iliadis J., Gritzalis S., Gritzalis D., "ADoCSI: A transparent mechanism for disseminating Certificate Status Information", *Computer Communications*, Vol. 26, No. 16, pp. 1851-1862, October 2003.

62. Iliadis J., Gritzalis S., Spinellis D., De Cock D., Preneel B., Gritzalis D., "Towards a framework for evaluating Certificate Status Information mechanism", *Computer Communications*, Vol. 26, No. 16, pp. 1839-1850, October 2003.

63. Kambourakis G., Rouskas A., Gritzalis D., "Performance Evaluation of Certificate-based Authentication in Integrated Emerging 3G and WiFi Networks", in *Proc. of the 1st European PKI Workshop*, pp. 287-296, Katsikas S., et al. (Eds.), Springer (LNCS 3093), Greece, June 2004.

64. Kandias M., Mitrou L, Stavrou V., Gritzalis D., "Profiling Online Social Networks users: An Omniopticon tool", *International Journal of Social Networks Mining*, 2016 (to appear).

65. Kandias M., Galbogini K., Mitrou L., Gritzalis D., "Insiders trapped in the mirror reveal themselves in social media", *in Proc. of the 7th International Conference on Network and System Security* (NSS 2013), pp. 220-235, Springer (LNCS 7873), Spain, June 2013.

66. Kandias M., Mitrou L., Stavrou V., Gritzalis D., "YouTube user and usage profiling: Stories about political horror and security success", in *E-Business and Telecommunications*, Obaidat M., et al. (Eds.), pp. 270-289, Springer (CCIS-456), 2015.

67. Kandias M., Mitrou L., Stavrou V., Gritzalis D., "Which side are you on? A new Panopticon vs. privacy", in *Proc. of the 10th International Conference on Security and Cryptography* (SECRY-PT-2013), pp. 98-110, ScitePress, Iceland, July 2013.

68. Kandias M., Mylonas A., Theocharidou M., Gritzalis D., "Exploitation of auctions for outsourcing security-critical projects", in *Proc. of the 16th IEEE Symposium on Computers and Communications* (ISCC '11), pp. 646-651, Tinnirello I., et al (Eds.), Greece, June 2011.

69. Kandias M., Mylonas A., Virvilis N., Theocharidou M., Gritzalis D., "An Insider Threat Prediction Model", in *Proc. of the 7th International Conference on Trust, Privacy, and Security in Digital Business* (TrustBus-2010), pp. 26-37, Lopez J., et al. (Eds.), Springer (LNCS 6264), Spain, August 2010.

70. Kandias M., Stavrou V., Bosovic N., Gritzalis D., "Proactive insider threat detection through social media: The YouTube case ", in *Proc. of the 12th Workshop on Privacy in the Electronic Society* (WPES-2013), pp. 261-266, ACM, Berlin, November 2013.

71. Kandias M., Stavrou V., Bozovic N., Mitrou L., Gritzalis D., "Can we trust this user? Predicting insider's attitude via YouTube usage profiling", in *Proc. of 10th IEEE International Conference on Autonomic and Trusted Computing* (ATC-2013), pp. 347-354, IEEE Press, Italy, December 2013.

72. Kandias M., Virvilis N., Gritzalis D., "The Insider Threat in Cloud Computing", in *Proc. of the 6th International Workshop on Critical Infrastructure Security* (CRITIS-2011), Bologna S., et al (Eds.), pp. 93-103, Springer (LNCS 6983), Switzerland, September 2011.

73. Kandias M., Mitrou L, Stavrou V., Gritzalis D., "Profiling Online Social Networks users: An Omniopticon tool", *International Journal of Social Networks Mining*, Vol. 69, pp. 3-17, 2017.

74. Lykou G., Iakovakis G., Chronis G., Gritzalis D., "Analysis and classification of adaptation tools for the Transport Sector adaptation planning, in *Proc. of the 12th International Conference on Critical Information Infrastructures Security* (CRITIS-2017), September 2017.

75. Lykou G., Stergiopoulos G., Papachryssanthou A., Gritzalis D., "Climate adaption: Addressing risks and impacts of climate change on Transport Sector", in *Proc. of the 11th International Conference on Critical Infrastructure Protection* (CIP-2017), USA, March 2017.

76. Katsikas S., Gritzalis D. (Eds.), *Proc. of the 12th IFIP International Conference on Information Security* (SEC-1996), Chapman & Hall, Greece, May 1996.

77. Katsikas S., Gritzalis D., "The need for a security policy in Health Care Institutions", *Journal of Biomedical Computing*, Vol. 35, pp. 73-80, 1994.

78. Katsikas S., Gritzalis D., "High Level Security Policy Guidelines", in *Data Security for Health Care*, The SEISMED Consortium (Eds.), Volumes I, II and III (Chapters I.4, II.4, III.4), IOS Press, The Netherlands 1995.

79. Katsikas S., Gritzalis D., Spirakis P., "Attack Modeling in Open Network Environments", in *Proc. of the 2nd Communications and Multimedia Security Conference* (CMS '96), pp. 268-277, Chapman & Hall, Germany 1996.

80. Katsikas S., Spyrou T., Gritzalis D., Darzentas J., "Model for network behaviour under viral attack", *Computer Communications*, Vol. 19, No. 2, pp. 124-132, 1996.

81. Kokolakis S., Gritzalis D., Katsikas S., "Generic Security Policies for Healthcare Information Systems", *Health Informatics Journal*, Vol. 4, No. 3-4, pp. 184-195, 1998.

82. Kokolakis S., Karyda M., Gritzalis D., "Information systems security management in virtual organizations", in *Proc. of the 1st IFIP Conference on Security in Information Systems* (SIS-2000), Zurich, October 2000.

83. Kokolakis S., Lambrinoudakis C., Gritzalis D., "A knowledge-based repository model for security policies management" in *Proc. of the 2nd International Conference on Methods, Models and Architectures for Network Security* (MMM-2001), pp. 112-121, V. Gorodetski, et al. (Eds.), Springer (LNCS 2776), Russia, September 2003.

84. Kotzanikolaou P., Theocharidou M., Gritzalis D., "Accessing n-order dependencies between critical infrastructures", *International Journal of Critical Infrastructure Protection*, Vol. 9, Nos, 1-2, pp. 93-110, 2013.

85. Kotzanikolaou P., Theocharidou M., Gritzalis D., "Cascading effects of common-cause failures on Critical Infrastructures, in *Proc. of the 7th IFIP International Conference on Critical Infrastructure Protection* (CIP-2013), pp. 171-182, Springer (AICT 417), USA, March 2013.

86. Kotzanikolaou P., Theocharidou M., Gritzalis D., "Interdependencies between Critical Infrastructures: Analyzing the Risk of Cascading Effects", in *Proc. of the 6th International Workshop on Critical Infrastructure Security* (CRITIS-2011), Bologna S., et al (Eds.), pp. 107-118, Springer (LNCS 6983), Switzerland, September 2011.

87. Kotzanikolaou P., Theocharidou M., Gritzalis D., "Risk assessment of multi-order interdependencies between critical information and communication infrastructures", *Critical Information Infrastructure Protection and Resilience in the ICT Sector*, pp. 151-170, Theron P., et al. (Eds.), IGI Global, February 2013.

88. Lambrinoudakis C., Gritzalis D., Katsikas S., "Building a reliable e-voting system: Functional requirements and legal constraints", in *Proc. of the 13th International Workshop on Database and Expert Systems Applications*, pp. 435-446, 2002.

89. Lambrinoudakis C., Kokolakis S., Gritzalis D., "Recurrent IT security issues and recommendations: Learning from risk assessment reviews", in *Proc. of the 2nd IFIP Conference on Security and Control of IT in Society* (SCITS-II), S. Fischer-Hubner, et al. (Eds.), Kluwer Academics, Slovenia, pp. 185-195, June 2001.

90. Lambrinoudakis C., Kokolakis S., Karyda M., Tsoumas V., Gritzalis D., "Electronic voting systems: Security implications of the administrative workflow", in *Proc. of the 14h IEEE Databases and Expert Systems Applications Conference* (Trustbus'03), Prague, September 2003.

91. Laopodis V., Fernandez F., Gritzalis D., Darzentas J., "Evaluation of ICT policy options by the public, using the awareness scenario workshops methodology", in *Proc. of the 2nd European Conference on IT Investment Evaluation*, Brown A., et al. (Eds.), pp. 302-310, Operational Research Society Press, 1995.

92. Lekkas D., Gritzalis D., "e-Passports as a means towards a globally interoperable Public Key Infrastructure", *Journal of Computer Security*, Vol. 18, No. 3, pp. 379-396, 2010.

93. Lekkas D., Gritzalis D., "e-Passports as a means towards the first world-wide Public Key Infrastructure", in *Proc. of the 4th European PKI Workshop* (EuroPKI 2007), J. Lopez, P. Samarati (Eds.), pp. 34-48, Springer (LNCS 4582), Spain, June 2007.

94. Lekkas D., Gritzalis D., "Long-term verifiability of healthcare records authenticity", *International Journal of Medical Informatics*, Vol. 76, Issue 5-6, pp. 442-448, 2006.

95. Lekkas D., Gritzalis D., Cumulative Notarization for Long-term Preservation of Digital Signatures, *Computers & Security*, Vol. 23, no. 5, pp. 413-424, 2004.

96. Mallios J., Dritsas S., Tsoumas B., Gritzalis D., "Attack modelling of SIP-oriented SPIT", in *Proc. of the 2nd IEEE-IFIP International Workshop on Critical Information Infrastructures Security* (CRITIS '07), Lopez J., et al. (Eds.), pp. 299-310, Springer (LNCS 5141), Spain, October 2007.

97. Marias G., Theocharidou M., Soupionis Y., Ehlert S., Gritzalis D., "SIP vulnerabilities for SPIT, SPIT identification criteria and anti-SPIT mechanisms evaluation framework", in *IP Handbook: Services, Technologies, and Security of Session Initiation Protocol*, pp. 457-480, Ilyas M., at al. (Eds.), CRC Press, USA, November 2009.

98. Marias J., Dritsas S., Theocharidou M., Mallios J. Gritzalis D., "SIP vulnerabilities and antispit mechanisms assessment", in *Proc. of the 16th IEEE International Conference on Computer Communications and Networks* (IC^{3}N '07), pp. 597-604, IEEE Press, USA, August 2007.

99. Mavroudakis K., Katsikas S., Gritzalis D., "Forming a Health Care Incident Reporting Scheme", in *Proc. of the 13th International Congress for Medical Informatics* (MIE '97), Scherrer J.R., et al. (Eds.), IOS Press, May 1997.

100. Mitrou L., Gritzalis D., Katsikas S., "Revisiting legal and regulatory requirements for secure e-voting", in *Proc. of the 17th IFIP International Information Security Conference* (SEC-2002), M. Hadidi, et al. (Ed.), pp. 469-480, Kluwer Academics, Egypt, May 2002.

101. Mitrou L., Kandias M., Stavrou V., Gritzalis D., "Social media profiling: A Panopticon or Omniopticon tool?", in *Proc. of the 6th Conference of the Surveillance Studies Network*, Spain, April 2014.

102. Mylonas A., Dritsas S., Tsoumas B., Gritzalis D., "On the feasibility of malware attacks in smartphone platforms", in *Security and Cryptography*, M. Obaidad, et al. (Eds.), pp. 217-232, Springer (CCIS-314), 2012.

103. Mylonas A., Gritzalis D., Tsoumas B., Apostolopoulos T., "A qualitative metrics vector for the awareness of smartphone security users", in *Proc. of the 10th International Conference on Trust, Privacy & Security in Digital Business* (TRUSTBUS-2013), pp. 173-184, Springer (LNCS 8058), Chech Republic, August 2013.

104. Mylonas A., Kastania A., Gritzalis D., "Delegate the smartphone user? Security awareness in smartphone platforms", *Computers & Security*, Vol. 34, No. 3, pp. 47-66, May 2013.

105. Mylonas A., Meletiadis V., Mitrou L., Gritzalis D., "Smartphone sensor data as digital evidence", *Computers & Security* (Special Issue: *Cybercrime in the Digital Economy*), Vol. 38, pp. 51-75, October 2013.

106. Mylonas A., Meletiadis V., Tsoumas B. Mitrou L., Gritzalis D., "Smartphone forensics: A proactive investigation scheme for evidence acquisition", in *Proc. of the 27th IFIP International Information Security and Privacy Conference*, pp. 245-256, Springer (AICT 267), Greece, June 2012.

107. Mylonas A., Theocharidou M., Gritzalis D., "Assessing privacy risks in Android: A user-centric approach", in *Proc. of the 1st Workshop on Risk Assessment and Risk-driven Testing* (RISK-2013), pp. 21-37, Springer (LNCS 8418), November 2013.

108. Mylonas A., Tsalis N., Gritzalis D., "Hide and seek: On the disparity of browser security settings" (poster), *9th Symposium on Usable Privacy and Security* (SOUPS-2013), United Kingdom, July 2013.

109. Mylonas A., Tsalis N., Gritzalis D., "Evaluating the manageability of web browsers controls", in *Proc. of the 9th International Workshop on Security and Trust Management* (STM-2013), pp. 82-98, Springer (LNCS 8203), United Kingdom, September 2013.

110. Mylonas A., Tsoumas B., Dritsas S., Gritzalis D., "A secure smartphone applications roll-out scheme", in *Proc. of the 8th International Conference on Trust, Privacy and Security in Digital Business* (TRUSTBUS-2011), Furnell S., et al. (Eds.), pp. 49-61, Springer (LNCS 6863), France, August 2011.

111. Mylonas A., Tsoumas B., Dritsas S., Gritzalis D., "Smartphone security evaluation: The malware attack case", in *Proc. of the 8th International Conference on Security and Cryptography* (SECRYPT-2011), Samarati P., Lopez J. (Eds.), pp. 25-36, SciTekPress, Spain, July 2011.

112. Pangalos G., Gritzalis D., Khair M., Bozios L., "Improving Medical Database System Security", in *Proc. of the 11th International Information Security Conference* (SEC '95), Eloff J., von Solms S. (Eds.), pp. 11-25, Chapman & Hall, South Africa 1995.

113. Pavlopoulos S., Gritzalis D., et al., "Vital signs monitoring from home with open systems", in *Proc. of the 16th International Congress for Medical Informatics* (MIE' 2000), Hasman A., et al. (Eds.), pp. 1141-1145, IOS Press, Germany, August 2000.

114. Pierrakakis K., Gritzali C., Kandias M., Gritzalis D., "3D Printing: A Paradigm Shift in Political Economy?", in *Proc. of the 65th International Studies Association's Annual Convention*, ISA, USA, February 2015.

115. Pierrakakis K., Kandias M., Gritzali C., Gritzalis D., "3D Printing and its regulation dynamics: The world in front of a paradigm shift", in *Proc. of the 6th International Conference on Information Law and Ethics* (ICIL-2014), Law Library Publications, Greece, May 2014.

116. Pipyros K., Thraskias C., Mitrou L., Gritzalis D., Apostolopoulos T., "A new strategy for improving cyber-attacks evaluation in the context of Tallinn manual", *Computers & Security* (Special Issue), 2017 (to appear).

117. Pipyros K., Thraskias C., Mitrou L., Gritzalis D., Apostolopoulos T., "Cyber-attacks evaluation using a simple additive weighting method on the basis of Schmitt's analysis", in *Proc. of the 10th Mediterranean Conference on Information Systems* (MCIS-2016), Springer, Cyprus, September 2016.

118. Pipyros K., Mitrou L., Gritzalis D., Apostolopoulos T., "A cyber attack evaluation methodology", in *Proc. of the 13th European Conference on Cyber Warfare and Security* (ECCWS-2014), pp. 264-270, ACPI, Greece, July 2014.

119. Pipyros K., Mitrou L., Gritzalis D., Apostolopoulos T., "Cyberoperations and International Humanitarian Law: A review of obstacles in applying International Law rules in cyber warfare", *Information & Computer Security*, Vol. 24, No. 1, pp. 38-52, 2016.

120. Pitropakis N., Lambrinoudakis C., Geneiatakis D., Gritzalis D., "A practical Steganography approach for Matroska-based high quality video files", in *Proc. of the 7th International Symposium on Security and Multimodality in Pervasive Environment* (SMPE-2013), pp. 684-688, IEEE Press, Spain, March 2013.

121. Polemi D., Ntouskas T., Georgakakis E., Douligeris C., Theocharidou M., Gritzalis D., "S-Port: Collaborative security management of Port Information Systems", in *Proc. of the 4th International Conference on Information, Intelligence, Systems and Applications* (IISA-2013), IEEE Press, Greece, July 2013.

122. Salonikias S., Mavridis I., Gritzalis D., "Access control issues in utilizing Fog Computing for Transportation Infrastructures", in *Proc. of the 10th International Conference on Critical Infrastructures Security* (CRITIS-2015), Springer, Germany, October 2015.

123. Soupionis J., Gritzalis D., "ASPF: An adaptive anti-SPIT policy-based framework", in *Proc. of the 6th International Conference on Availability, Reliability and Security* (ARES-2011), Pernul G., et al. (Eds.), pp. 153-160, Austria, August 2011.

124. Soupionis Y. Tountas G., Gritzalis D., "Audio CAPTCHA for SIP-based VoIP", in *Proc. of the 24th International Information Security Conference* (SEC-2009), pp. 25-38, Gritzalis D., Lopez J. (Eds.), Springer (IFIP AICT 297), Cyprus, May 2009.

125. Soupionis Y., Basagiannis S., Katsaros P., Gritzalis D., "A formally verified mechanism for countering SPIT", in *Proc. of the 5th International Workshop on Critical Information Infrastructure Security* (CRITIS-2010), Wolthusen S., et al (Eds.) pp. 128-139, Springer (LNCS 6712), Greece, September 2010.

126. Soupionis Y., Dritsas S., Gritzalis D., "An adaptive policy-based approach to SPIT management", in *Proc. of the 13th European Symposium on Research in Computer Security* (ESORICS 2008), pp. 446-460, Lopez J., et al. (Eds.), Springer (LNCS 5283), Spain, October 2008.

127. Soupionis Y., Gritzalis D., "Audio CAPTCHA: Existing solutions assessment and a new implementation for VoIP telephony", *Computers & Security*, Vol. 29, No. 5, pp. 603-618, 2010.

128. Soupionis Y., Koutsiamanis A.-R., Efraimidis P., Gritzalis D., "A game-theoretic analysis of preventing spam over Internet Telephony with audio CAPTCHA-based authentication", *Journal of Computer Security*, Vol. 22, No. 3, pp. 383-413, 2014.

129. Spinellis D., Gritzalis D., "A domain-specific language for intrusion detection", in *Proc. of the 1st ACM Workshop on Intrusion Detection and Prevention Systems* (WIDS-2000), November 2000.

130. Spinellis D., Gritzalis D., "Information Security Best Practice Dissemination: The ISA-EUNET Approach", in *Proc. of the 1st IFIP World International Conference on Information Security Education* (WISE '99), S. Fisher-Hubner, et al. (Eds.), pp. 111-136, Sweden, June 1999.

131. Spinellis D., Gritzalis D., "PANOPTIS: Intrusion detection using process accounting records", *Journal of Computer Security*, Vol. 10, No. 2, pp. 159-176, IOS Press, 2002.

132. Spinellis D., Gritzalis S., Iliadis J., Gritzalis D., Katsikas S., "Trusted Third Party services for deploying secure telemedical applications over the WWW", *Computers & Security*, Vol. 18, No. 7, pp. 627-639, 1999.

133. Spinellis D., Moulinos K., Iliadis J., Gritzalis S., Gritzalis D., Katsikas S., "Deploying a secure cyberbazaar by adding trust to commercial applications", *eJournal for Electronic Commerce Tools and Applications*, Vol. 1, No. 2, November 2002.

134. Spirakis P., Katsikas S., Gritzalis D., Allegre F., Darzentas J., Gigante C., Karagiannis D., Putkonen H., Spyrou T., "SECURENET: A Network-oriented intrusion prevention and detection intelligent system", in *Proc. of the 10th International Information Security Conference* (SEC '94), The Netherlands 1994.

135. Stachtiari E., Soupionis Y., Katsaros P., Mentis A., Gritzalis D., "Probabilistic model checking of CAPTCHA admission control for DoS resistant anti-SPIT protection", in *Proc. of the 7th International Workshop on Critical Information Infrastructures Security* (CRITIS-2012), pp. 143-154, Springer (LNCS 7722), Norway, September 2012.

136. Stamatiou P., Gritzalis D., "Countering Unsolicited Calls in the Internet Telephony: An anti-SPIT Architecture", *Hellenic Open University Journal of Informatics*, Vol. 2, No. 1, pp. 49-63, 2009.

137. Stavrou V., Kandias M., Karoulas G., Gritzalis D., "Business Process Modeling for Insider threat monitoring and handling", in *Proc. of the 11th International Conference on Trust, Privacy & Security in Digital Business* (TRUSTBUS-2014), pp. 119-131, Springer (LNCS 8647), Germany, September 2014.

138. Stergiopoulosa G., Katsaros P., Gritzalis D., "Program analysis with risk-based classification of dynamic invariants for logical error detection", *Computers & Security* (Special Issue), Vol. 71, pp. 36-50, 2017.

139. Stergiopoulos G., Kouktzoglou V., Theocharidou M., Gritzalis D., "A process-based dependency risk analysis methodology for critical infrastructures", *International Journal of Critical Infrastructures* (Special Issue), 2017 (to appear).

140. Stergiopoulos G, Katsaros P., Gritzalis D., Apostolopoulos T., "Combining invariant violation with execution path classification for detecting multiple types of logical errors and race conditions", *13th International Conference on Security & Cryptography* (SECRYPT-2016), ScitePress, Portugal, July 2016.

141. Stergiopoulos G., Theocharidou M., Kotzanikolaou P., Gritzalis D., "Using centrality measures in dependency risk graphs for efficient risk mitigation", in *Critical Infrastructure Protection IX*, Shenoi S., et al. (Ed.), pp. 25-40, Springer, 2016.

142. Stergiopoulos G, Tsoumas B., Gritzalis D., "Hunting application-level logical errors", in *Proc. of the 4th International Symposium on Engineering Secure Software and Systems* (ESSOS-2012), Livshits B., et al (Eds.), pp. 135-142, Springer (LNCS 7159), The Netherlands, February 2012.

143. Stergiopoulos G., Kandias M., Gritzalis D., "Approaching encryption through complex number logarithms", in *Proc. of the 10th International Conference on Security and Cryptography* (SECRYPT-2013), pp. 574-579, ScitePress, Iceland, July 2013.

144. Stergiopoulos G., Katsaros P., Gritzalis D., "Automated detection of logical errors in programs", in *Proc. of the 9th International Conference on Risks and Security of Internet and Systems* (CRiSIS-2014), pp. 35-51, Springer (LNCS 8924), Italy, August 2014.

145. Stergiopoulos G., Katsaros P., Gritzalis D., "Source code profiling and classification for automated detection of logical errors", in *Proc. of the 3rd International Seminar on Program Verification, Automated Debugging & Symbolic Computation* (PAS-2014), Austria, July 2014.

146. Stergiopoulos G., Kotzanikolaou P., Theocharidou M., Gritzalis D., "Risk mitigation strategies for Critical Infrastructures based on graph centrality analysis", *International Journal of Critical Infrastructure Protection*, Vol. 10, pp. 34-44, September 2015.

147. Stergiopoulos G., Kotzanikolaou P., Theocharidou M., Gritzalis D., "Using centrality metrics in CI dependency risk graphs for efficient risk mitigation", in *Proc. of the 9th IFIP International Conference on Critical Infrastructure Protection* (CIP-2015), Springer, USA, March 2015.

148. Stergiopoulos G., Kotzanikolaou P., Theocharidou M., Lykou G., Gritzalis D., "Time-base critical infrastructure dependency analysis for large-scale and cross-sectoral failures", *International Journal of Critical Infrastructure Protection*, Vol. 12, pp. 46-60, March 2016.

149. Stergiopoulos G., Petsanas P., Katsaros P., Gritzalis D., "Automated exploit detection: The disposition should matter, not the position", in *Proc. of the 12th International Conference on Security and Cryptography* (SECRYPT-2015), pp. 100-111, ScitePress, France, July 2015.

150. Stergiopoulos G., Theocharidou M., Gritzalis D., "Using logical error detection in remote-terminal units to predict initiating events of Critical Infrastructures failures", in *Proc. of the 3rd International Conference on Human Aspects of Information Security, Privacy and Trust* (HCI-2015), pp. 672-683, Springer (LNCS 9190), USA, August 2015.

151. Stergiopoulos G., Theocharidou M., Kotzanikolaou P., Gritzalis D., "Using centrality measures in dependency risk graphs for efficient risk mitigation", in *Critical Infrastructure Protection IX*, Shenoi S., et al. (Ed.), pp. 25-40, March 2016.

152. Stergiopoulos G., Tsoumas V., Gritzalis D., "Demonstration and empirical analysis of hunting application-level logic errors", *in Proc. of the 7th International Conference on Network & System Security* (NSS 2013), pp. 236-249, Springer (LNCS 7873), Spain, June 2013.

153. Stergiopoulos G., Vasilellis S., Lykou G., Kotzanikolaou P., Gritzalis D., "Critical Infrastructure Protection tools: Classification and comparison", in *Proc. of the 10th International Conference on Critical Infrastructure Protection* (CIP-2016), USA, March 2016.

154. Stergiopoulos G., Katsaros P., Gritzalis D., "Execution path classification for vulnerability analysis and detection", in *E-Business and Telecommunications*, Obaidat M., et al. (Eds.), pp. 293-317, Springer (CCIS-585), March 2016.

155. Stergiopoulos G, Katsaros P., Gritzalis D., Apostolopoulos T., "Combining invariant violation with execution path classification for detecting multiple types of logical errors and race conditions", *13th International Conference on Security & Cryptography* (SECRYPT-2016), Vol. 4, pp. 28-40, ScitePress, Portugal, July 2016.

156. Stergiopoulos G., Katsaros P., Gritzalis D., "Program analysis with risk-based classification of dynamic invariants for logical error detection", *Computers & Security* (Special Issue), Vol. 71, pp. 36-50, 2017.

157. Theocharidou M., Gritzalis D., "A Common Body of Knowledge for Information Security", *IEEE Security & Privacy*, Vol. 5, No. 2, pp. 64-67, March/April 2007.

158. Theocharidou M., Gritzalis D., "Situational Crime Prevention and Insider Threat: Counter-measures and Ethical Considerations", in *Proc. of the 8th International Computer Ethics Conference* (CEPE-2009), pp. 808-820, M. Botis (Ed.), Nomiki Bibliothiki Group, Greece, June 2009.

159. Theocharidou M., Kandias M., Gritzalis D., "Securing Transportation-Critical Infrastructures: Trends and Perspectives", in *Proc. of the 7th IEEE International Conference in Global Security, Safety and Sustainability* (ICGS³-2011), R. Bashroush, et al. (Eds.), pp. 171-178, Springer (LNICST 99), Greece, 2012.

160. Theocharidou M., Kotzanikolaou P., Gritzalis D., "A multi-layer criticality assessment methodology based on interdependencies", *Computers & Security*, Vol. 29, No. 6, pp. 643-658, 2010.

161. Theocharidou M., Kotzanikolaou P., Gritzalis D., "Risk assessment methodology for inter-dependent Critical Infrastructures", *International Journal of Risk Assessment and Management* (Special Issue on Risk Analysis of Critical Infrastructures), Vol. 15, Nos. 2/3, pp. 128-148, 2011.

162. Theocharidou M., Kotzanikolaou P., Gritzalis D., "Risk-based Criticality Analysis", in *Proc. of the 3rd IFIP International Conference on Critical Infrastructure Protection* (CIP-2009), C. Palmer, S. Shenoi (Eds.), Springer, USA, March 2009.

163. Theocharidou M., Marias J., Dritsas S., Gritzalis D., "The Ambient Intelligence Paradigm: A review of security and privacy strategies in leading economies", in *Proc. of the 2nd IET Conference on Intelligent Environments* (IET '06), Kameas A., Papalexopoulos (Eds.), Vol. 2, pp. 213-219, Athens, July 2006.

164. Theocharidou M., Mylonas A., Gritzalis D., "A risk assessment method for smartphones", in *Proc. of the 27th IFIP International Information Security and Privacy Conference*, pp. 443-456, Springer (AICT 267), Greece, June 2012.

165. Theocharidou M., Papanikolaou N., Pearson S., Gritzalis D., "Privacy risks, security and accountability in the Cloud", in *Proc. of the 5th IEEE Conference on Cloud Computing Technology and Science* (CloudCom-2013), pp. 177-184, IEEE Press, United Kingdom, December 2013.

166. Theocharidou M., Stougiannou E., Gritzalis D., "A CBK for Information Security and Critical Infrastructure Protection", in *Proc. of the 5th IFIP Conference on Information Security Education* (WISE-5), Dodge R., et al. (Eds.), pp. 49-56, Springer, USA, June 2007.

167. Theocharidou M., Tsalis N., Gritzalis D., "In Cloud we Trust: Risk-Assessment-as-a-Service", in *Proc. of the 7th IFIP International Conference on Trust Management* (IFIP TM-2013), pp. 100-110, Springer (AICT 401), Spain, June 2013.

168. Theocharidou M., Tsalis N., Gritzalis D., "Smart Home Solutions for Healthcare: Privacy in Ubiquitous Computing Infrastructures", *Handbook of Smart Homes, Health Care and Well-Being*, Wouters E., et al. (Eds.), Springer, 2013.

169. Theocharidou M., Xidara D., Gritzalis D., "A Common Body of Knowledge for Information Security and Critical Information and Communication Infrastructure Protection", *International Journal of Critical Infrastructure Protection*, Vol. 1, No. 1, pp. 81-96, 2008.

170. Tryfonas T., Gritzalis D., Kokolakis S., "A qualititative approach to information availability", in *Proc. of the 15th IFIP International Information Security Conference* (SEC -2000), Qing S., Eloff J. (Eds.), pp. 37-48, Kluwer Academics, China, August 2000.

171. Tsalis N., Mylonas A., Nisioti A., Gritzalis D., Katos V., "Exploring the protection of private browsing in desktop browsers", *Computers & Security*, Vol. 67, pp. 181-197, 2017.

172. Tsalis N., Mylonas A., Gritzalis D., "An intensive analysis of the availability of security and privacy browser add-ons", in *Proc. of the 10th International Conference on Risks and Security of Internet and Systems* (CRiSIS-2015), pp. 1-16, Springer (LNCS 9572), Greece, July 2015.

173. Tsalis N., Theocharidou M., Gritzalis D., "Return on security investment for Cloud platforms", in *Proc. of the Economics of Security in the Cloud Workshop* (ESC-2013), pp. 132-137, IEEE Press, United Kingdom, December 2013.

174. Tsalis N., Virvilis N., Mylonas A., Apostolopoulos T., Gritzalis D., " Browser Blacklists: The Utopia of Phishing Protection", in *E-Business and Telecommunications*, Obaidat M., et al. (Eds.), pp. 278-292, Springer (CCIS-554), April 2016.

175. Tsiakis T., Katsaros P., Gritzalis D., "Economic evaluation of interactive audio media for securing Internet services", in *Proc. of the 7th IEEE International Conference in Global Security, Safety and Sustainability* (ICGS³-2011), R. Bashroush, et al. (Eds.), pp. 46-53, Springer (LNICST 99), Greece, 2012.

176. Tsiakis T., Katsaros P., Gritzalis D., "Externality cost assessment for interactive audio media protection of Internet services", *International Journal of Electronic Security & Digital Forensics*, Vol. 4, Nos. 2/3, pp. 164-177, 2012.

177. Tsochou A., Theocharidou M., Kokolakis S., Gritzalis D., "Addressing cultural dissimilarity in the information security management outsourcing relationship", in *Proc. of the 4th International Conference on Trust, Privacy and Security in the Digital Business* (TRUSTBUS 2007), pp. 24-33, Springer (LNCS 6457), Germany, September 2007.

178. Tsoumas B., Gritzalis D., "Towards an ontology-based security management", in *Proc. of the 20th International IEEE Conference on Advanced Information Networking and Applications* (AINA 2006), pp. 985-990, IEEE Press, Austria, April 2006.

179. Tsoumas V., Dritsas S., Gritzalis D., "An ontology-based approach to network security management", in *Proc. of the 3rd International Conference on Mathematical Models, Methods and Architectures for Computer Network Security* (MMM-ACNS-2005), Gorodetsky V., et al. (Eds.), pp. 151-164, Springer, Russia, September 2005.

180. Tsoumas V., Papagiannakopoulos P., Dritsas S., Gritzalis D., "Security-by-Ontology: A knowledge-centric approach", in *Proc. of the 21st International Information Security Conference* (SEC-2006), pp. 41-52, Runnenberg K., et al. (Eds.), Springer Sweden, May 2006.

181. Virvilis N., Dritsas S., Gritzalis D., "A cloud provider-agnostic secure storage protocol", in *Proc. of the 5th International Workshop on Critical Information Infrastructure Security* (CRITIS-2010), Wolthusen S., et al. (Eds.), pp. 104-115, Springer (LNCS 6712), Greece, September 2010.

182. Virvilis N., Dritsas S., Gritzalis D., "Secure Cloud Storage: Available Infrastructure and Architecture Review and Evaluation", *Proc. of the 8th International Conference on Trust, Privacy & Security in Digital Business* (TRUSTBUS-2011), Furnell S., et al. (Eds.), pp. 74-85, Springer (LNCS 6863), France, August 2011.

183. Virvilis N., Gritzalis D., "The Big Four - What we did wrong in Advanced Persistent Threat detection?", in *Proc. of the 8th International Conference on Availability, Reliability & Security* (ARES-2013), pp. 248-254, IEEE, Germany, September 2013.

184. Virvilis N., Gritzalis D., "Trusted Computing vs. Advanced Persistent Threats: Can a defender win this game?", in *Proc. of 10th IEEE International Conference on Autonomic and Trusted Computing* (ATC-2013), pp. 396-403, IEEE Press, Italy, December 2013.

185. Virvilis N., Tsalis N., Mylonas A., Gritzalis D., "Mobile devices: A phisher's paradise", in *Proc. of the 11th International Conference on Security and Cryptography* (SECRYPT-2014), pp. 79-87, ScitePress, Austria, August 2014.

186. Virvilis N., Tsalis N., Mylonas A., Gritzalis D., "Security Busters: Web browser security vs. suspicious sites", *Computers & Security*, Vol. 52, pp. 90-105, July 2015.