Emmanouil V. Magkos

Ionian University, Platia Tsirigoti 7, Corfu 49100, Greece
Tel: +30 6946752262
e-mail address: emagos@ionio.gr

Research profile: http://scholar.google.gr/citations?user=qy_LFbsAAAAJ&hl=el

Personal Profile

Emmanouil Magkos received his first degree in Computer Science from the University of Piraeus, Greece in 1997. In April 2003 he received a Ph.D. in Information Security and Cryptography from the University of Piraeus, Greece. His Ph.D. research was related to cryptographic protocols and techniques for securing electronic transactions between mistrusted parties that communicate over open networks such as the Internet. During his Ph.D research he was involved as a researcher in a research project funded by the Greek General Secretariat for Research and Technology (97EL-83). From 2002 to 2007 he taught Computer Science at the Public Secondary Education. From 2003 to 2007 he also taught at the Archives and Library Sciences Department of the Ionian University, Corfu, Greece (Courses: Computer Networks and Electronic Commerce). Since 2007 he is affiliated with the Department of Informatics of the Ionian University, in Corfu, Greece, where he holds the position of Associate Professor in Cryptography and Computer Security. He has (co-) authored more than 80 papers in international journals, conferences and book chapters related to Information Security and Cryptography. He also acts as a reviewer for several international journals and conferences. His current research interests focus on the use of cryptographic techniques for protecting security and privacy in networks and distributed information systems, including: privacy and security in VANETs, MANETs, WSNs, privacy-preserving Data Mining, privacy preservation in LBSs privacy in Big Data, anonymous authentication, Cyber-Physical systems security, self-propagating malware, Internet e-voting, e-auctions.

Studies

- BSc in Computer Science, University of Piraeus (1997)
- PhD in Information Security and Cryptography, University of Piraeus, Greece (2004).

Work Experience

- Public Secondary Education, Greece (2002-2007)
- Teaching Staff (407/80), Ionian University, Department of Archives and Library Science, (2003-2007)
- Lecturer, Ionian University, Department of Informatics, (2007-2011)
- Assistant Professor, Ionian University, Department of Informatics, (2011-2017)
- Associate Professor, Ionian University, Department of Informatics, (2017-Today)

Publications

International Journals (22)

[J1] S. Karagiannis, E. Karavaras, A. Karnavas, E. Magkos, C. Ntantogian, M. N. Nikiforos. "Towards NICE-by-Design Cybersecurity Learning Environments: A Cyber Range for SOC Teams". In: Journal of Information Security and Applications, Elsevier, 2022 (submitted for publication).

[J2] S. Karagiannis, G. Chalavazis, E. Magkos, and M. N. Nikiforos. "Analysis and Evaluation of Capture the Flag Challenges in Secure Mobile Application

Development". In: International Journal on Integrating Technology in Education (IJITE), 2022 (accepted for publication).

[J3]   S. Karagiannis C. Ntantogian E. Magkos L. Ribeiro, L. Campos L. "PocketCTF: A Fully Featured Approach for Hosting Portable Attack and Defense Cybersecurity Exercises". In: Information, vol. 12, no. 8:318. https://doi.org/10.3390/info12080318, 2021.

[J4]   L. Piras, M. Al-Obeidallah, M. Pavlidis, H. Mouratidis, A. Tsohou, E. Magkos, A. Praitano, "A Data Scope Management Service to Support Privacy by Design and GDPR Compliance". Journal of Data Intelligence, 2(2), 136-165, Rinton Press, 2021.

[J5]   I. Karydis, E. Kosta, E. Magkos, S. Vlizos, D. Provatas, A. Tsohou. The Octane Ecosystem and Platform for Cross-Border Heritage based Tourism Development. In: International Journal of Cultural and Digital Tourism, Vol. 8, Spring 2021 (Special Issue). https://iacudit.org/journal/volumes/v8/v8_19-32.pdf

[J6]   S. Karagiannis and E. Magkos. "Adapting CTF Challenges into Virtual Cybersecurity Learning Environments." Information & Computer Security, Vol. 29 No. 1, pp. 105-132. https://doi.org/10.1108/ICS-04-2019-0050, Emerald Insight, 2020.

[J7]   N. Petrakos, S. Monachos, E. Magkos, P. Kotanikolaou. "Design and Implementation of an Anonymous and Secure Online Evaluation Protocol". In: Electronics, vol. 9, no. 9, 1415, Special Issue "Data Security", 2020.

[J8]   A. Tsohou, E. Magkos, H. Mouratidis, G. Chrysoloras, L. Piras, M. Pavlidis, & B. Crespo (2020). "Privacy, security, legal and technology acceptance elicited and consolidated requirements for a GDPR compliance platform". In: Information & Computer Security, Vol. 28 Issue 4, pp. 531-553, Emerald Insight. https://doi.org/10.1108/ICS-01-2020-0002, 2020.

[J9]   Stergiopoulos G., Gritzalis D., Kotzanikolaou P., Magkos M., Lykou G., "Holistic Protection of Critical Infrastructures", Maritime Interdiction Operations Journal, Vol. 14, No. 1, pp. 29-41, September 2017.

[J10] P. Kotzanikolaou, C. Patsakis, E. Magkos, M. Korakakis. "Lightweight private proximity testing for geospatial social networks". In Computer Communications, Elsevier, Vol. 73, Part B, 1 January 2016, pp. 263–270.

[J11] G. Koufoudakis, N. Skiadopoulos, E. Magkos, K. Oikonomou. "Synchronization Issues in an Innovative Wireless Sensor Network Architecture Monitoring Ambient Vibrations in Historical Buildings". In: Key Engineering Materials, v. 628, Trans Tech Publication, 2014

[J12] E. Magkos, M. Avlonitis, P. Kotzanikolaou, M. Stefanidakis. "Towards Early Warning Against Internet Worms Based on Critical-Sized Networks". In: Security and Communication Networks, Vol 6(1), pp. 78-88, Wiley Interscience, 2013.

[J13] M. Burmester, E. Magkos, V. Chrissikopoulos. "Modeling Security in Cyber-Physical Systems". In: International Journal of Critical Infrastructure Protection, Elsevier, In Press, Available online 17 August 2012.

[J14] K. Vlachopoulos, E. Magkos and V. Chrissikopoulos. "A Model for Hybrid Evidence Investigation". In: International Journal of Digital Crime and Forensics (IJDCF), IGI Global, To be published, 2012.

[J15] M. Burmester, E. Magkos, V. Chrissikopoulos. "Secure and Privacy-Preserving, Timed Vehicular Communications". International Journal of Ad Hoc and Ubiquitous Computing (IJAHUC), Vol. 10 (4), pp. 219-229, Inderscience Publishers, 2012.

[J16] S., Sioutas, E., Magkos, I., Karydis, V., Verykios: "Uncertainty for Privacy and 2-Dimensional Range Query Distortion", Journal of Computing Science and Engineering, vol. 5 (3), pp. 210-222, 2011

[J17] E. Magkos. "Cryptographic Approaches for Privacy Preservation in Location-Based Services: A Survey". International Journal of Information Technologies and the Systems Approach (IJITSA), Vol. 4 (2), pp. 48-69, IGI Global, 2011.

[J18] E. Magkos, P. Kotzanikolaou. "Achieving Privacy and Access Control in Pervasive Computing Environments". International Journal of Security and Communication Networks (SCN), Special Issue on "Physical Layer Security in Mobile Devices and Networks", Wiley (accepted for publication– October 2010)

[J19] E. Magkos, M. Maragoudakis, V. Chrissikopoulos, S. Gritzalis. "Accurate and Large-Scale Privacy-Preserving Data Mining using the Election Paradigm". In: Data & Knowledge Engineering 68(2009), pp. 1124-1236, Elsevier, 2009.

[J20] P. Kotzanikolaou, D. Vergados, G. Stergiou and E. Magkos. "Multi-Layer Key Establishment for Large Scale Sensor Networks". In: International Journal of Security and Networks (IJSN), Vol. 3(1), pp. 1-9, Inderscience Publishers, 2009.

[J21] M. Avlonitis, E. Magkos, M. Stefanidakis, and V. Chrissikopoulos. "Treating Scalability and Modeling Human Countermeasures Against Local Preference Worms via Gradient models". In: Journal in Computer Virology, Springer Paris, Vol. 5 (4), pp. 357-371, 2009.

[J22] P. Kotzanikolaou, E. Magkos, D. Vergados and M. Stefanidakis. "Secure and Practical Key Establishment for Distributed Sensor Networks". In: Security and Communication Networks, Wiley, Volume 2, Issue 6, pp 595 – 610, 2009.

[J23] V. Stathopoulos, P. Kotzanikolaou, and E. Magkos, "Secure Log Management for Privacy Assurance in Electronic Communications", In: Computers & Security, Elsevier, Volume 27 (7-8), pp. 298-308, 2008, available at doi:10.1016/j.cose.2008.07.010.

[J24] E. Magkos, P. Kotzanikolaou, C. Douligeris. "Towards Secure Online Elections: Models, Primitives and Open Issues", In: Electronic Government, an International Journal, Inderscience Publishers, Volume 4 - Issue 3, pp. 249-268, 2007.

[J25] M. Avlonitis, E. Magkos, M. Stefanidakis, and V. Chrissikopoulos. A Spatial Stochastic Model for Worm Propagation: Scale Effects. In: Journal of Computer Virology, Vol. 3(2), Springer Paris, pp. 87-92, 2007.

[J26] M. Burmester, E. Magkos, V. Chrissikopoulos: "Uncoercible e-bidding Games". In Electronic Commerce Research Journal, Vol. 4, Special Issue on Security Aspects in E-Commerce, Kluwer Academic Publishers, pp. 113-125, 2003.

[J27] Ε. Μάγκος. Ένα Υβριδικό Μοντέλο Ανάκτησης Κλειδιού. In Cyprus Computer Society Journal, Issue 3. pp. 35-40, 2003.

[J28] E. Magkos, and V. Chrissikopoulos. Equitably Fair Internet Voting. In Journal of Internet Technology, Vol. 3(3), Special Issue on Network Security, pp. 187-193, 2002.

International Conferences (50)

[C1] C. Leka, C. Ntantogian, S.Karagiannis, E. Magkos, V. Verykios, "A Comparative Analysis of VirusTotal and Desktop Antivirus Detection Capabilities" IISA 2022, Thirteen IEEE International Conference on Information, Intelligence, Systems and Applications, IEEE, (accepted for publication).

[C2] M. Vielberth, M. Glas, M. Dietz, S. Karagiannis, E. Magkos, G. Pernul. "A Digital Twin-Based Cyber Range for SOC Analysts". In: Barker K., Ghazinour K. (eds), 35th Annual IFIP WG 11.3 Conference on Data and Applications Security and Privacy - DBSec 2021, Lecture Notes in Computer Science, vol 12840. Springer, Cham. https://doi.org/10.1007/978-3-030-81242-3_17, 2021.

[C3] S. Karagiannis, M. Manso, E. Magkos, L. L. Ribeiro and L. Campos, "Automated and On-Demand Cybersecurity Certification" 2021 IEEE International Conference on Cyber Security and Resilience (CSR), 26-28 July 2021, Rhodes, Greece. IEEE, pp. 174-179, https://doi.org/10.1109/CSR51186.2021.9527958 , 2021.

[C4] S. Karagiannis, A. Tokatlis, S. Pelekis, M. Kontoulis, G. Doukas, C. Ntanos and E. Magkos. "A-DEMO: ATT&CK Documentation, Emulation and Mitigation Operations". In: 25th Pan-Hellenic Conference on Informatics (PCI 2021), 26 - 28 November 2021, Volos, Greece. ACM New York, to be published.

[C5] S. Karagiannis, E. Maragkos-Belmpas, E. Magkos. "An Analysis and Evaluation of Open Source Capture the Flag Platforms as Cybersecurity e-Learning Tools". In: Drevin L., Von Solms S., Theocharidou M. (eds) IFIP World Conference on Information Security Education - WISE 2020. IFIP Advances in Information and Communication Technology, vol 579. Springer, Cham. https://doi.org/10.1007/978-3-030-59291-2_5, 2020.

[C6] S. Karagiannis, T. Papaioannou, E. Magkos and A. Tsohou. "Game-based Information Security/Privacy Education and Awareness: Theory and Practice". In: Themistocleous M., Papadaki M., Kamal M.M. (eds) Information Systems. 17th European Mediterranean & Middle Eastern Conference on Information Systems

(EMCIS 2020), 25 – 26 November 2020, Dubai – UAE. Lecture Notes in Business Information Processing, vol 402. Springer, Cham. https://doi.org/10.1007/978-3-030-63396-7_34.

[C7]   S. Karagiannis, E. Magkos, C. Ntantogian, L. Ribeiro. "Sandboxing the Cyberspace for Cybersecurity Education and Learning". In: Boureanu I. et al. (eds) Computer Security. ESORICS 2020. Lecture Notes in Computer Science, vol 12580. Springer, Cham. https://doi.org/10.1007/978-3-030-66504-3_11, 2020.

[C8]   L. Piras, M, Ghazi, M. Pavlidis, H. Mouratidis, A. Tsohou, E. Magkos, A. Praitano, A. Iodice, B. Gallego. "DEFeND DSM: A Data Scope Management Service for Model-Based Privacy by Design GDPR Compliance". In: 17th International Conference on Trust, Privacy and Security in Digital Business (TrustBus2020), 14-17 September 2020, Bratislava, Slovakia, Springer LNCS 12395, pp. 186-201, 2020.

[C9]   S. Karagiannis and E. Magkos. "An Analysis and Evaluation of Open-source CTF Platforms as Cybersecurity e-Learning Tools". In: Proceedings of WG 11.8 - 13th World Conference on Information Security Education (WISE 13), 22-23 September 2020, Maribor, Slovenia, IFIP Advances in Information and Communication Technology Series (IFIPAICT), vol. 579, Springer, pp. 61-77, 2020.

[C10]   Tsohou, A., Magkos, E., Mouratidis, H., Chrysoloras, G., Piras, L., Pavlidis, M., Crespo, B. G. N. (2019). "Privacy, security, legal and technology acceptance requirements for a GDPR compliance platform". In 3rd International Workshop on SECurity and Privacy Requirements Engineering (SECPRE 2019), in conjunction with ESORICS 2019, LNCS, vol 11980, pp. 204-223, Springer, Cham., 2019.

[C11]   Piras, L., Al-Obeidallah, M. G., Praitano, A., Tsohou, A., Mouratidis, H., Crespo, B. G. N., ... E. Magkos et al. (2019, August). "Defend architecture: A privacy by design platform for GDPR compliance". In 16th International Conference on Trust, Privacy and Security in Digital Business (TrustBus 2019), pp. 78-93. Springer, Cham, 2019.

[C12]   S. Karagiannis and E. Magkos. "Towards user profiling in cybersecurity education and training". In 12th Mediterranean Conference on Information Systems – MCIS 2018, 28-30 September 2018, Corfu, Greece.

[C13]   Kosyfaki, C., Angelova, N. P., Tsohou, A., & Magkos, E. (2017, September). "The Privacy Paradox in the Context of Online Health Data Disclosure by Users". In European, Mediterranean, and Middle Eastern Conference on Information Systems (pp. 421-428). Springer, Cham, 2017.

[C14]   S. Karagiannis and E. Magkos, "Decentralized Internet Privacy: Towards a Blockchain Framework for Healthcare". In 11th Mediterranean Conference on Information Systems (MCIS 2017), Genoa - Italy, September 4-5, 2017.

[C15] D. Gritzalis, G. Stergiopoulos, P. Kotzanikolaou, E. Magkos, G. Lykou. "Critical Infrastructure Protection: A Holistic Roadmap for Greece". In: 2nd Workshop On The Security Of Industrial Control Systems & Cyber-Physical Systems (CyberICPS 2016) - In Conjunction With ESORICS 2016.

[C16] P. Grammenos, N.A. Syreggela, E. Magkos, and A. Tsohou. "Internet Addiction of Young Greek Adults: Psychological Aspects and Information Privacy". In: GENEDIS 2016 - Genetics, Health Aging and Mental Wellness in the new digital era. October 20 – 23, 2016, Sparta, Greece.

[C17] E. Karavaras, E. Magkos, A. Tsohou. "Low User Awareness Against Social Malware: An Empirical Study and Design of a Security Awareness Application". In 13th European Mediterranean & Middle Eastern Conference on Information Systems (EMCIS 2016).

[C18] E. Magkos, P. Kotzanikolaou, M. Magioladitis, S. Sioutas, and V. S. Verykios. "Towards Secure and Practical Location Privacy, through Private Equality Testing". In: Privacy in Statistical Databases - PSD 2014, 17-19 Sep. 2014, Eivissa, Spain. Lecture Notes in Computer Science LNCS v. 8744, Springer-Verlag, 2014.

[C19] M. Korakakis, E. Magkos, P. Mylonas. "Automated CAPTCHA Solving: An Empirical Comparison of Selected Techniques". In: SMAP 2014, 9th International Workshop on Semantic and Social Media Adaptation and Personalization, November 6-7th, 2014, Corfu, Greece. IEEE Computer Society's Conference Publishing Services (CPS), 2014.

[C20] E. Magkos, E. Kleisiari, P. Chanias, V. Giannakouris-Salalidis. "Parental Control and Children's Internet Safety: The Good, the Bad and the Ugly". In: 6th International Conference on Information Law and Ethics (ICIL 2014), "Lifting Barriers to Empower the Future of Information Law and Ethics", Thessaloniki, May 30-31, 2014.

[C21] D. Fronimos, E. Magkos, V. Chrissikopoulos. "Evaluating Low Interaction Honeypots and On their Use against Advanced Persistent Threats". In 18th Panhellenic Conference on Informatics - PCI 2014, 2-4 October, Athens, Greece, 2014.

[C22] G. Koufoudakis, N. Skiadopoulos, E. Magkos, K. Oikonomou. "Synchronization Issues in an Innovative Wireless Sensor Network Architecture Monitoring Ambient Vibrations in Historical Buildings". In: S.M.ART. BUIL.T. International Conference, March 27-29, Bari Italy, 2014.

[C23] M. Burmester, E. Magkos, V. Chrissikopoulos. "T-ABAC: An Attribute-Based Access Control Model for Real-Time Availability in Highly Dynamic Systems". In: 18th IEEE Symposium on Computers and Communications, July 7-10, 2013, Split Croatia, IEEE

[C24] P. Kotzanikolaou, E. Magkos, N.Petrakos, C.Douligeris, V. Chrissikopoulos. "Fair Anonymous Authentication for Location Based Services". In: Data Privacy

Management, 7th International Workshop (DPM 2012), Pisa, Italy, September 13-14. Lecture Notes in Computer Science (LNCS), Springer-Verlag, to be published, 2012.

[C25] K. Vlachopoulos, E. Magkos and V. Chrissikopoulos. "A Model for Hybrid Evidence Investigation". In: 7th International Annual Workshop on Digital Forensics & Incident Analysis (WDFIA 2012), Hersonissos, Crete, 6-8 June, 2012.

[C26] M. Burmester, E. Magkos, V. Chrissikopoulos. "Modeling Security in Cyber-Physical Systems". In: Sixth Annual IFIP Working Group 11.10 International Conference on Critical Infrastructure Protection, National Defense University Fort McNair, Washington, DC, USA, March 19 - 21, 2012.

[C27] S. Sioutas, E. Magkos, I. Karydis, and V.S. Verykios. "Uncertainty for Anonymity and 2-Dimensional Range Query Distortion". In: Privacy in Statistical Databases - PSD 2010, 22-24 Sep. 2010, Corfu, Greece. Lecture Notes in Computer Science LNCS v. 6344, Springer-Verlag, pp. 85-96, 2010.

[C28] E. Magkos, P. Kotzanikolaou. "Enhancing Privacy-Preserving Access Control for Pervasive Computing Environments". In: The Second International ICST Conference on Security and Privacy in Mobile Information and Communication Systems - MOBISEC 2010, May 27-28, Catania, Sicily. LNICST, Springer, to be published, 2010

[C29] E. Magkos, P. Kotzanikolaou, S. Sloutas, K. Oikonomou. "A Distributed Privacy-Preserving Scheme for Location-Based Queries". In: The Fourth IEEE WoWMoM Workshop on Autonomic and Opportunistic Communications - AOC 2010, 14-17 June, Montreal QC Canada. IEEE Computer Society, pp. 1-6, 2010

[C30] M. Avlonitis, E. Magkos, M. Stefanidakis and V. Chrissikopoulos. "A Novel Stochastic Approach for Modeling Random Scanning Worms". In: 13th Panhellenic Conference on Informatics - PCI 2009, 10-12 September, Corfu, Greece. IEEE Computer Society, pp. 176-179, 2009.

[C31] K. L. Kermanidis and E. Magkos. "Empirical Paraphrasing of Modern Greek Text in Two Phases; An Application to Steganography". In: A. Gelbukh (Ed.): CICLing 2009, LNCS 5449, pp. 535–546, Springer-Verlag Berlin, 2009.

[C32] A. Pateli, A. Floros, K. Oikonomou, E. Magkos. "Corfunet: A Mesh Network Providing Wireless Services At Metropolitan Level". In: IADIS Wireless Applications and Computing (WAC 2008), July 21-24, Amsterdam, 2008.

[C33] E. Magkos, V. Chrissikopoulos. "Towards Efficient Cryptography for Privacy Preserving Data Mining in Distributed Systems". In: 4th International Conference on Web Information Systems and Technologies (WEBIST 2008), May 4-7 2008, Madeira, Portugal. INSTICC Press, pp. 301-304, 2008.

[C34] M. Avlonitis, E. Magkos, M. Stefanidakis, and V. Chrissikopoulos. "Exploring Scalability and Fast Spreading of Local Preference Worms via Gradient Models". In: 17th EICAR Annual Conference, 3-6 May 2008, Laval, France, 2008.

[C35] M. Burmester, E. Magkos, V. Chrissikopoulos. "Strengthening Privacy Protection in VANETs". IEEE 1st International Workshop on Security and Privacy in Wireless and Mobile Computing, Networking and Communications SecPri_WiMob 08, pp. 508-513, 2008.

[C36] E. Magkos, M. Maragoudakis, V. Chrissikopoulos, and S. Gridzalis. "Accuracy in Privacy-Preserving Data Mining Using the Paradigm of Cryptographic Elections". In: Privacy in Statistical Databases (PSD '08), 24-26 Sep. 2008, Istanbul. Lecture Notes in Computer Science (LNCS), Vol. 5262/2008, Springer-Verlag, pp. 284-297, 2008.

[C37] V. Stathopoulos, P. Kotzanikolaou, and E. Magkos. "A Framework for Secure and Verifiable Logging in Public Communication Networks". In: Critical Information Infrastructures Security, First International Workshop, CRITIS 2006, Samos, Greece, August 31 - September 1, 2006, Lecture Notes in Computer Science, Vol. 4347, Springer, pp. 273-284, 2006.

[C38] E. Magkos, P. Kotzanikolaou, M. Stefanidakis. "An Asymmetric Key Establishment Protocol for Multiphase Self-Organized Sensor Networks". In: 12th European Wireless Conference (EW 2006) "Enabling Technologies for Wireless Multimedia Communications", April 2 - 5, 2006, Athens Greece.

[C39] P. Kotzanikolaou, E. Magkos, C. Douligeris, V. Chrissikopoulos V., "Hybrid Key Establishment for Multiphase Self-Organized Sensor Networks". 1st International Workshop on Trust, Security and Privacy for Ubiquitous Computing (TSPUK 2005), June 13, 2005, Taormina, Sicily, Italy. In: Proc. of 6th WoWMoM 2005, IEEE, pp. 581- 587, 2005.

[C40] Ε. Μάγκος, Β. Χρυσικόπουλος, Ν. Αλεξανδρής, Μ. Πούλος. "Ηλεκτρονική Ψηφοφορία μέσω Internet: Ουτοπία ή Πραγματικότητα;" Ηλεκτρονική Δημοκρατία – Κοινωνία της Πληροφορίας και τα Δικαιώματα του Πολίτη, 1ο Εθνικό Συνέδριο με Διεθνή Συμμετοχή, 25 - 26 Σεπτεμβρίου 2003, Κτίριο ΕΒΕΑ. Proceedings. Εκδόσεις Σάκουλας, pp. 525-540, 2003.

[C41] M. Poulos, A. Evangelou, E. Magkos, S. Papavlasopoulos. "Fingerprint Verification Based on Image Processing Segmentation Using An Onion Algorithm of Computational Geometry". In: 6th International Workshop on Mathematical Methods in Scattering Theory and Biomedical Engineering, 18-21 September 2003, Tsepelovo, Greece. WOLRD SCIENTIFIC publications, pp. 550-559, 2003.

[C42] M. Poulos, E. Magkos, V. Chrissikopoulos, and N. Alexandris. "Secure Fingerprint Verification Based on Image Processing Segmentation using Computational Geometry Algorithms". In: SPPRA '2003 – IASTED International Conference on Signal Processing, Pattern Recognition, and Applications. June 30 – July 2, Rhodes, Greece, ACTA Press, pp. 308-312, 2003.

[C43] E. Magkos, V., Chrissikopoulos, N. Alexandris, and M. Poulos. "Secure Key Recovery for Archived and Communicated Data in the Corporate Intranet". In: 7th WSEAS International Conference on Circuits, Systems, Communications and Computers. July 7-10, Corfu, Greece, pp. 191-195, 2003.

[C44] M. Poulos, N. Alexandris, V.S. Belessiotis, E. Magkos. "Comparison between Computational Geometry and Coherence Methods applied to the EEG for Medical Diagnostic Purposes". In: Proceedings of the 7th International Multicoference on Circuits, Systems, Communications and Computers, Corfu Island Greece, July 7-10, pp. 247-252, 2003.

[C45] E. Magkos, V. Chrissikopoulos, N. Alexandris. "A Common Security Model for Conducting e-Auctions and e-Elections". 6th International Conference on Communications. In Recent Advances in Computers, Computing and Communications, WSEAS, pp. 463-467, 2002.

[C46] E. Magkos, V. Chrissikopoulos, N. Alexandris. "Software-based Receipt-Freeness in On-line Elections". In: IFIP TC11 WG11.4 1st Annual Working Conference on Network Security, November 26-27, 2001, Leuven, Belgium. In Advances in Network And Distributed Systems Security, Kluwer Academic Publishers, pp. 33-43, 2001.

[C47] E. Magkos, P. Kotzanikolaou, V. Chrissikopoulos. «An Asymmetric Traceability Scheme for Copyright Protection without Trust Assumptions». In: 2nd International Conference on Electronic Commerce and Web technologies EC-WEB 2001, Munich, Germany, September 4-6, LNCS Vol. 2115, Springer-Verlag, pp. 186-195, 2001.

[C48] E. Magkos, M. Burmester, and V. Chrissikopoulos. "Receipt-Freeness in Large-scale Elections without Untappable Channels". In: 1st IFIP Conference on E-Commerce/Business/Government, Kluwer Academic Publishers, pp. 683-693, 2001.

[C49] M. Burmester, V. Chrissikopoulos, P. Kotzanikolaou, and E. Magkos. "Strong Forward Security". In: IFIP-SEC '01 Conference, Kluwer Academic Publishers, pp. 109-119, 2001.

[C50] E. Magkos, M. Burmester, V. Chrissikopoulos. "An Equitably Fair On-line Auction Scheme". In 1st International Conference on Electronic Commerce and Web technologies - EC-WEB 2000, LNCS Vol. 1875, Springer-Verlag, Berlin, pp. 72-84, 2000.

Book Chapters In Collective Works (7)

[B1] Ε. Μάγκος, Β. Χρυσικόπουλος. «Αυθεντικοποίηση». Συλλογικός Τόμος με τίτλο: «Ασφάλεια Πληροφοριών και Συστημάτων στον Κυβερνοχώρο". Σ. Κάτσικας, Σ. Γκρίτζαλης, Κ. Λαμπρινουδάκης (Eds). Εκδόσεις Νέων Τεχνολογιών, 2020.

[B2] S. Karagiannis and E. Magkos. "Engaging Students in Basic Cybersecurity Concepts Using Digital Game-Based Learning: Computer Games as Virtual

Learning Environments". In: Advances in Core Computer Science-Based Technologies: Papers in Honor of Professor Nikolaos Alexandris. Editors: Tsihrintzis, George A., Virvou, Maria (Eds.). Springer Nature Switzerland AG 2021, pp. 55-81, 2020.

[B3]   E. Magkos, M. Burmester, V. Chrissikopoulos. "Αυθεντικοποιημένη Εδραίωση Κλειδιού". Συλλογικός Τόμος με τίτλο: "Σύγχρονη Κρυπτογραφία: Θεωρία και Εφαρμογές". M. Burmester, Σ. Γκρίτζαλης, Σ. Κάτσικας, Β. Χρυσικόπουλος (Eds). Εκδόσεις Παπασωτηρίου, Μάρτιος 2011.

[B4]   E. Magkos, M. Maragoudakis, V. Chrissikopoulos. "Προστασία Ιδιωτικότητας σε Κατανεμημένα Συστήματα Εξόρυξης Δεδομένων". Συλλογικός Τόμος με τίτλο: "Προστασία της Ιδιωτικότητας στις Τεχνολογίες Πληροφορικής και Επικοινωνιών: Τεχνικά και Νομικά Θέματα". Κ. Λαμπρινουδάκης, Λ. Μήτρου, Σ. Γκρίτζαλης, Σ. Κάτσικας (Eds). Παπασωτηρίου, 2009.

[B5]   C. Lambrinoudakis, E. Magkos, V. Chrissikopoulos. "Electronic Voting Systems". (Chapter) In: J. Lopez, S. Furnell, A. Patel, S. Katsikas, (Ed.), "Securing Information and Communication Systems: Principles, Technologies and Applications". Artech House Publishers, Computer Security Series, pp. 307-323, 2008.

[B6]   N. Alexandris, V. Chrissikopoulos and E. Magkos. "The role of Cryptography in Large-Scale Internet Elections". Volume of essays in honour of Professor Antonios C. Panayotopoulos pp. 93–110, 2006.

[B7]   M. Burmester, E. Magkos. "Towards Secure and Practical e-Elections in the New Era". In: Advances in Information Security - Secure Electronic Voting, Kluwer Academic Publishers pp. 63-76, 2003.

Editor in Books/Collective Works

[E1]   Domingo-Ferrer, E. Magkos (ed.). Proceedings of the 2010 International Conference on Privacy in Statistical Databases (PSD 2010), Lecture Notes in Computer Science (LNCS 6344) Springer Verlag, Berlin, Heidelberg, 2010, ISBN: 978-3-642-15837-7.

Academic Recognition

Research profile: http://scholar.google.gr/citations?user=gy_LFbsAAAAJ&hl=el