

## Βιβλιογραφικές εργασίες (20% του συνολικού βαθμού)

Κάθε φοιτητής που θα επιλέξει βιβλιογραφική εργασία θα πρέπει να επιλέξει μία από τις παρακάτω βιβλιογραφικές εργασίες να στείλει ένα email στο [nitzirit@uth.gr](mailto:nitzirit@uth.gr) ώστε να κατοχυρώσει την εργασία που επιθυμεί μετά από τη σύμφωνη γνώμη του διδάσκοντα. Η βιβλιογραφική εργασία θα πρέπει να παρουσιαστεί στο τέλος των διαλέξεων μεσω powerpoint (περίπου 10 διαφάνειες, ή περίπου 10-15 λεπτά παρουσίαση). Εναλλακτικά κάποιος φοιτητής μπορεί να επιλέξει κάποιο άλλο θέμα που να πληρεί τις προϋποθέσεις που έχουν ανέβει στο eclass και μετά από τη σύμφωνη γνώμη του διδάσκοντα.

- 1) Shen, Jian, et al. "Block design-based key agreement for group data sharing in cloud computing." *IEEE Transactions on Dependable and Secure Computing* 16.6 (2017): 996-1010.
- 2) Zeng Q, Luo L, Qian Z, Du X, Li Z, Huang CT, Farkas C. Resilient user-side android application repackaging and tampering detection using cryptographically obfuscated logic bombs. *IEEE Transactions on Dependable and Secure Computing*. 2019 Dec 5;18(6):2582-600.
- 3) Mohd BJ, Hayajneh T, Alshayeqi MH. Run-Time Monitoring and Validation Using Reverse Function (RMVRF) for Hardware Trojans Detection. *IEEE Transactions on Dependable and Secure Computing*. 2019 Dec 24;18(6):2689-704.
- 4) Wu Y, Wang X, Susilo W, Yang G, Jiang ZL, Chen Q, Xu P. Efficient server-aided secure two-party computation in heterogeneous mobile cloud computing. *IEEE Transactions on Dependable and Secure Computing*. 2020 Jan 14;18(6):2820-34.
- 5) Studiawan H, Sohel F, Payne C. Anomaly detection in operating system logs with deep Learning-based sentiment analysis. *IEEE Transactions on Dependable and Secure Computing*. 2020 Nov 13;18(5):2136-48.
- 6) Kermanshahi SK, Liu JK, Steinfeld R, Nepal S, Lai S, Loh R, Zuo C. Multi-client cloud-based symmetric searchable encryption. *IEEE Transactions on Dependable and Secure Computing*. 2019 Nov 1;18(5):2419-37.
- 7) di Vimercati SD, Foresti S, Livraga G, Piuri V, Samarati P. Security-aware data allocation in multicloud scenarios. *IEEE Transactions on Dependable and Secure Computing*. 2019 Nov 19;18(5):2456-68.
- 8) Lin G, Zhang J, Luo W, Pan L, De Vel O, Montague P, Xiang Y. Software vulnerability discovery via learning multi-domain knowledge bases. *IEEE Transactions on Dependable and Secure Computing*. 2019 Nov 19;18(5):2469-85.
- 9) Oqaily M, Jarraya Y, Mohammady M, Majumdar S, Pourzandi M, Wang L, Debbabi M. SegGuard: segmentation-based anonymization of network data in clouds for privacy-preserving security auditing. *IEEE Transactions on Dependable and Secure Computing*. 2019 Dec 4;18(5):2486-505.
- 10) Chawla GS, Zhang M, Majumdar S, Jarraya Y, Pourzandi M, Wang L, Debbabi M. VMGuard: State-Based Proactive Verification of Virtual Network Isolation With Application to NFV. *IEEE Transactions on Dependable and Secure Computing*. 2020 Nov 30;18(4):1553-67.
- 11) Han J, Zang W, Yu M, Sandhu R. Quantify co-residency risks in the cloud through deep learning. *IEEE Transactions on Dependable and Secure Computing*. 2020 Oct 21;18(4):1568-79. Anastasiou Konstantina (8.5 den apantise sto dbscan)
- 12) Nair PP, Sarkar A, Biswas S. Fault-tolerant real-time fair scheduling on multiprocessor systems with cold-standby. *IEEE Transactions on Dependable and Secure Computing*. 2019 Aug 14;18(4):1718-32.
- 13) Li W, Li X, Gao J, Wang H. Design of secure authenticated key management protocol for cloud computing environments. *IEEE Transactions on Dependable and Secure Computing*. 2019 Apr 9;18(3):1276-90.
- 14) Bai C, Han Q, Mezzour G, Pierazzi F, Subrahmanian VS. \$lsf {DBank} \$ DBank: Predictive Behavioral Analysis of Recent Android Banking Trojans. *IEEE Transactions on Dependable and Secure Computing*. 2019 Apr 9;18(3):1378-93.
- 15) Guo H, Zhang Z, Xu J, An N, Lan X. Accountable proxy re-encryption for secure data sharing. *IEEE Transactions on Dependable and Secure Computing*. 2018 Oct 23;18(1):145-59.

- 16) Gao X, Steenkamer B, Gu Z, Kayaalp M, Pendarakis D, Wang H. A study on the security implications of information leakages in container clouds. *IEEE Transactions on Dependable and Secure Computing*. 2018 Nov 5;18(1):174-91.
- 17) Xu S, Ning J, Li Y, Zhang Y, Xu G, Huang X, Deng R. Match in my way: Fine-grained bilateral access control for secure cloud-fog computing. *IEEE Transactions on Dependable and Secure Computing*. 2020 Jun 11.
- 18) Huang J, Susilo W, Guo F, Wu G, Zhao Z, Huang Q. An Anonymous Authentication System for Pay-As-You-Go Cloud Computing. *IEEE Transactions on Dependable and Secure Computing*. 2020 Jul 7.
- 19) Chakraborty T, Pierazzi F, Subrahmanian VS. Ec2: Ensemble clustering and classification for predicting android malware families. *IEEE Transactions on Dependable and Secure Computing*. 2017 Aug 21;17(2):262-77.
- 20) John TM, Haider SK, Omar H, Van Dijk M. Connecting the dots: Privacy leakage via write-access patterns to the main memory. *IEEE Transactions on Dependable and Secure Computing*. 2017 Dec 4;17(2):436-42.
- 21) Zou Z, Xie Y, Huang K, Xu G, Feng D, Long D. A docker container anomaly monitoring system based on optimized isolation forest. *IEEE Transactions on Cloud Computing*. 2019 Aug 20.
- 22) Qiu H, Noura H, Qiu M, Ming Z, Memmi G. A user-centric data protection method for cloud storage based on invertible DWT. *IEEE Transactions on Cloud Computing*. 2019 Apr 16;9(4):1293-304.
- 23) Mendes R, Oliveira T, Cogo V, Neves N, Bessani A. Charon: A secure cloud-of-clouds system for storing and sharing big data. *IEEE Transactions on Cloud Computing*. 2019 May 14;9(4):1349-61. Νακόπουλος Βασίλειος
- 24) Shen W, Qin J, Yu J, Hao R, Hu J, Ma J. Data integrity auditing without private key storage for secure cloud storage. *IEEE Transactions on Cloud Computing*. 2019 Jun 7;9(4):1408-21.
- 25) Ahmed NO, Bhargava B. From byzantine fault-tolerance to fault-avoidance: An architectural transformation to attack and failure resiliency. *IEEE Transactions on Cloud Computing*. 2018 Mar 12;8(3):847-60.
- 26) Mishra P, Varadharajan V, Pilli ES, Tupakula U. Vmguard: A vmi-based security architecture for intrusion detection in cloud environment. *IEEE Transactions on Cloud Computing*. 2018 Apr 20;8(3):957-71.