

Crypto Projects 2018-2019

I. Θεωρητικά

1. SoK: A Consensus Taxonomy in the Blockchain Era, Juan Garay and Aggelos Kiayias, <https://eprint.iacr.org/2018/754> [Κυτέας Απόστολος, HMMY]
2. Prime and Prejudice: Primality Testing Under Adversarial Conditions, Martin R. Albrecht and Jake Massimo and Kenneth G. Paterson and Juraj Somorovsky, <https://eprint.iacr.org/2018/749> [Σαντοριναίος Χριστόδουλος HMMY]
3. Verifiable Delay Functions, Dan Boneh, Joseph Bonneau, Benedikt Bünz, Ben Fisch, <https://eprint.iacr.org/2018/601> [Διαμαντίδης Δημήτρης ΣΕΜΦΕ]
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5. Steven Goldfeder, Harry Kalodner, Dillon Reisman, Arvind Narayanan: When the cookie meets the blockchain: Privacy risks of web payments via cryptocurrencies, <https://arxiv.org/abs/1708.04748>, [ΒΑΣΙΑΕΙΟΣ ΜΑΡΚΟΠΟΥΛΟΣ ΕΜΕ]
6. Private Intersection-Sum Protocol with Applications to Attributing Aggregate Ad Conversions, Mihaela Ion and Ben Kreuter and Erhan Nergiz and Sarvar Patel and Shobhit Saxena and Karn Seth and David Shanahan and Moti Yung, <https://eprint.iacr.org/2017/738> [ΣΤΑΘΑΤΟΣ ΝΙΚΗΤΑΣ ΣΕΜΦΕ]
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11. Zamyatin, A., Harz, D., Lind, J., Panayiotou, P., Gervais, A., & Knottenbelt, W. J. Xclaim: Interoperability with cryptocurrency-backed tokens. Cryptology ePrint Archive, Report 2018/643, 2018. <https://eprint.iacr.org/2018/643>. [Porandokht Behrouz]
12. David A. McGrew and John Viega: The Security and Performance of the Galois/Counter Mode of Operation (Full Version), Cryptology ePrint Archive: Report 2004/193, <https://eprint.iacr.org/2004/193> [Μιχάλης Ξεφτέρης (HMMY)]

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II. Προγραμματιστικά

17. Υλοποίηση Publicly Auditable Conditional Blind Signatures, από: Towards everlasting privacy and efficient coercion resistance in remote electronic voting <https://fc18.ifca.ai/voting/papers/GPZZ18.pdf> [ΚΑΤΣΑΡΟΥ ΠΑΝΑΓΙΩΤΑ ΦΙΛΙΤΣΑ (ΣΕΜΦΕ)]
18. Βελτιώσεις / επεκτάσεις σε σύστημα ψηφοφοριών κατάταξης -- βλ. διπλωματική Θ. Σουλιώτη, <http://artemis.cslab.ece.ntua.gr:8080/jspui/handle/123456789/13362> [ΤΣΑΚΟ ΜΑΡΙΟΥΣ ΕCE]
19. Βελτιώσεις / επεκτάσεις στο OTR / mpOTR -- βλ. διπλωματική Α. Ανδρικόπουλου - Δ. Κολοτούρου, <http://artemis.cslab.ece.ntua.gr:8080/jspui/handle/123456789/13301>
20. Ανώνυμα ερωτηματολόγια με χρήση ομομορφικής κρυπτογραφίας, βλ. και ANONIZE <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6956576>
21. Υλοποίηση smart contracts σε Ethereum -- δείτε περισσότερες πληροφορίες εδώ: <http://solidity.readthedocs.io/en/develop/introduction-to-smart-contracts.html> [ΙΩΑΝΝΗΣ ΑΣΜΑΝΗΣ + ΑΘΗΝΑΓΟΡΑΣ ΣΚΙΑΔΟΠΟΥΛΟΣ (ECE NTUA UNDERGRAD)]