

Bibliography

- [1] *C. Asmuth and J. Bloom*: A Modular Approach to Key Safeguarding, IEEE Transactions on Information Theory, vol.IT-29, no.2, 1983, pp. 208-210.
- [2] *G. Ateniese, C. Blundo, A.D. Santis, and D. Atinson*: Constructions and Bounds for Visual Cryptography, Proceedings 23rd International Colloquium on Automata, Languages, and Programming (ICALP '96), 1099, 1996, pp. 416-428.
- [3] *G. Ateniese, C. Blundo, A. D. Santis, and D. R. Stinson*: Visual Cryptography for General Access Structures, Information and Computation, vol. 129, no.2, 1996, pp. 86-106.
- [4] *A. Beimel and B. Chor*: Universally Ideal Secret Sharing Schemes, Lecture Notes in Computer Science vol. 740, 1993, pp. 185-197.
- [5] *J. C. Benaloh and J. Leichter*: Generalized Secret Sharing and Monotone Functions, Proceedings of Crypto '88, Advances in Cryptology, Lecture Notes in Computer Science, vol. 403, S. Goldwasser, Ed., Springer-Verlag, Berlin, 1990, pp. 27-35.
- [6] *J. Benaloh*: Secret Sharing Homomorphisms - Keeping Shares of a Secret Secret, In Advances in Cryptology - CRYPTO '86, A. M. Odlyzko, Ed. 1987, vol. 263 of Lecture Notes in Computer Science, pp. 251-260, Springer-Verlag.

- [7] *E. Bertinoro*: Secure and Selective Dissemination of XML Documents, *ACM Transactions on Information System Security*, vol. 5, No. 3, 2002, pp 290-331.
- [8] *M. Bertilsson, I. Ingemarsson*: A Construction of Practical Secret Sharing Schemes using Linear Block Codes. In *Proceedings AUSCRYPT '92*, Springer Lecture Notes in Computer Science, vol. 718, pp. 67-79, 1993.
- [9] *G. R. Blakley*: Safeguarding Cryptographic Keys, *Proceeding of AFIPS 1979 National Computer Conference*, vol. 48, New York, NY, June 1979, pp. 313-317.
- [10] *B. Blakley, G. R. Blakley, A. H. Chan and J. L. Massey*: Threshold Schemes with Disenrollment. *Lecture Notes in Computer Science* 740, 1993, pp. 546-554.
- [11] *G. R. Blakley and C. Meadows*: Security of Ramp Schemes, *Proceeding of Crypto '84, Advances in Cryptology*, Lecture notes in Computer Science, vol 196, 1985, G. R. Blakley and D. Chaum, Eds., Springer Verlag, pp 411-431.
- [12] *C. Blundo, A. De Santis and U. Vaccaro*: Efficient Sharing of Many Secrets, *Proceeding of STACS'93*, Lecture Notes in Computer Science vol. 665, 1993, Springer Verlag, pp. 692-703.
- [13] *C. Blundo, A. Cresti, A. De Santis and U. Vaccaro*: Fully Dynamic Secret Sharing Schemes. *Theoretical Computer Science*, vol. 165, no. 2, 1996, pp. 407-440.
- [14] *C. Blundo, A. De Santis, L. Gargano and U. Vaccaro*: On the Information Rate of Secret Sharing Schemes, *Lecture Notes in Computer Science* vol. 740, 1993, pp. 149-169.
- [15] *C. Blundo, A. De Santis, D. R. Stinson, and U. Vaccaro*: Graph Decomposition and Secret Sharing Schemes, *Journal Cryptology*. no. 8 1995, pp. 39-64.
- [16] *C. Blundo and D. R. Stinson*: Anonymous Secret Sharing Schemes, *Discrete Applied Mathematics*, 77, 1997, pp 13-28.

-
- [17] *E. F. Brickell*: Some ideal secret sharing schemes, *Journal of Combin. Math. and Commbin. Comput.* no. 9, 1989, pp 105-113.
- [18] *E. F. Brickell and D. M. Davenport*: On Classification of Ideal Secret Sharing Schemes, *Journal of Cryptology*, vol 4, No. 2 1991, pp 123-134.
- [19] *E. F. Brickell and D. R. Stinson*: Some Improved Bounds on the Information Rate Of Perfect Secret Sharing Schemes. *Journal Cryptology* vol. 5 no. 3, 1992, pp. 153-166.
- [20] *E. F. Brickell and D. R. Stinson*: The Detection Of Cheaters In Threshold Schemes, *SI AM J. on Discrete Math.* no. 4, 1991, pp. 502-510.
- [21] *R. Brinkman, J. M. Doumen and W. Jonker*: Using secret sharing for searching in encrypted data, In *Workshop on Secure Data Management in a Connected World (SDM)*, 30 Aug 2004, Toronto, Canada. pp. 18-27. *Lecture Notes in Computer Science* 3178. Springer-Verlag. ISSN 0302-9743 ISBN 3-540-22983-3.
- [22] *R. M. Capocelli, A. De Santis, L. Gargano and U. Vaccaro*: On the size of shares for secret sharing schemes. *Journal Cryptology* no. 6, 1993, pp. 157-168.
- [23] *M. Carpentieri, A. De Santis and U. Vaccaro*: Size of shares and probability of cheating in threshold schemes, Presented at *EUROCRYPT '93*.
- [24] *C. Chang, C. Tsait and T. Chen*: A New Scheme for Sharing Secret Colour Images in Computer Network, *Proceeding of International Conference on Parallel and Distributed Systems*, July 2000, pp 21-27.
- [25] *Chin-Chen Chang and Tai-Xing Yu*: Sharing Secret Gray Image in Multiple Images, *National Chung Cheng University, Taiwan*, 2002.
- [26] *D. Chen and D. R. Stinson*: Recent Results on Combinatorial Constructions for Threshold Schemes, *Australasian Journal of Combinatorics*, vol 1, 1990, pp. 29-48.

- [27] *B. Chor, E. Kushilevitz*: Secret Sharing Over Infinite Domains, *Journal of Cryptology*, Vol 6, 1993, pp. 87-96
- [28] *B. Chor, O. Goldreich, E. Kushilevitz and M. Sudan*: Private Information Retrieval, IN FOCS, 1995, pp 41-50.
- [29] *Chwei-Shyong Tsai, Chin-Chen Chang and Tung-Shou Chen*: Sharing Multiple Secrets in Digital Images, *The Journal of Systems and Software*, vol 64, 2002, pp.163-170.
- [30] *D. Denning*: *Cryptography and Data Security*, Addison-Wesley, Reading, MA, 1983.
- [31] *Y. Desmedt, A. De Santis, Y. Frankel, and M. Yung*: How to Share a Function Securely. In: *Proceedings STOC '94*, ACM Press, 1994, pp. 22-33.
- [32] *S. Droste*: New Results on Visual Cryptography, *Advances in Cryptology-CRYPTO'96*, *Lecture Notes in Computer Science*, vol. 1109, 1996, pp. 401-415.
- [33] *O. Goldreich, S. Micali, and A. Wigderson*: How to Play Any Mental Game, *Proceeding of the 19th Annual ACM Symposium on Theory of Computing*, 1987, New York, pp. 218-229.
- [34] *R. Hwang and C. Chang*: Some Secret Sharing Schemes and their Applications, Ph. D. dissertation of the Department of Computer Science and Information Engineering, National Chung Cheng University, Chiayi, Taiwan, 1998.
- [35] *I. Ingemarsson and G. J. Simmons*: A Protocol to set up Shared Secret Schemes Without the Assistance of a Mutually Trusted Party. *Lecture Notes in Computer Science* vol. 473, 1991, pp. 266-282.
- [36] *M. Ito, A. Saito, and T. Nishizeki*: Secret Sharing Schemes Realizing General Access Structure, *Proceeding of IEEE Global Telecommunications Conference, Globecom 87*, Tokyo, Japan, 1987, pp. 99-102, . Journal version: Multiple Assignment Scheme for Sharing Secret, *Journal Cryptology*, vol 6, no. 6, 1993, pp. 15-20.

- [37] *W. A. Jackson and K. M. Martin and C. M. O'Keefe*: On Sharing Many Secrets, Lecture Notes in Computer Science 917, Advances in Cryptology, Proceedings of Asiacrypt'94, Springer Verlag, 1994, pp. 42-54.
- [38] *W.A. Jackson and K. M. Martin*: Combinatorial Models for Perfect Secret Sharing Schemes, J. Combin. Math. Combin. Comput., Vol. 28, 1998 pp 249-265.
- [39] *E. D. Karnin, J. W. Greene and M. E. Hellman*: On Secret Sharing Systems, IEEE Transactions on Information Theory, vol.IT-29, no. 1, Jan 1983, pp 35-41.
- [40] *D. E. Knuth*: The Art of Computer Programming, Vol. 2, Seminumerical algorithms, 2nd edition, Addison-Wesley Publishing Company, Reading, Massachusetts, 1981.
- [41] *S. Kothari*: Generalized Linear Threshold Scheme, Proceedings Crypto '84, Santa Barbara, CA (Aug 1984), 231-241. Published as Advances in Cryptology, ed. by Blakley and D. Chaum in Lecture Notes in Computer Science, vol. 196, ed. by G. Goos and J. Hartmanns. Springer-Verlag, New York 1985.
- [42] *Lawrence C. Washington , Wade Trappe*: Introduction to Cryptography: With Coding Theory ,Prentice Hall PTR, Upper Saddle River, NJ, 2002.
- [43] *C. L. Liu*: Introduction to Combinatorial Mathematics, McGraw-Hill, New York, 1968.
- [44] *K. M. Martin*: Discrete Structures in the Theory of Secret Sharing. Ph. D. Thesis, University of London, 1991.
- [45] *K. M. Martin*: New Secret Sharing Schemes from Old, Journal of Combin. Math. and Combin. Comput. no. 14, 1993, pp 65-77.
- [46] *R. J. McEliece and D. V. Sarwate.*: On Sharing Secrets and Reed-Solomon Codes. Commun. of the ACM no. 24, 1981, pp. 583-584.

- [47] *M. Mignotte*: How to share a secret, Cryptography Proceedings of the Workshop on Cryptography, Burg Feuerstein, 1982, volume 149 of LNCS, pp 371-375 Springer-Verlag, 1983.
- [48] *M. Naor and A. Shamir*: Visual Cryptography, Advances in cryptology- EUROCRYPT94, Lecture Notes in Computer Science, vol. 950, 1995, pp. 1-12.
- [49] *S. J. Phillips and N. C. Phillips*: Strongly Ideal Secret Sharing Schemes, J. Cryptology, Vol. 5 (1992), pp. 185-191.
- [50] *T. Rabin and M. Ben-Or*: Verifiable Secret Sharing and Multiparty Protocols with Honest Majority. Proceedings 21st ACM Symp. on Theory of Computing, 1989, pp. 73-85.
- [51] *P. J. Schellenberg and D. R. Stinson*: Threshold Schemes from Combinatorial Designs, J. Combin. Math. Combin. Comput., vol. 5, 1989, pp. 143-160.
- [52] *P. D. Seymour*: On Secret-Sharing Matroids, J. Combin. Theory B vol. 56, 1992, pp. 69-73.
- [53] *A. Shamir*: How to Share a Secret, Communications of the ACM, vol. 22, no. 11, Nov. 1979, pp. 612-613.
- [54] *G. J. Simmons*: Robust Shared Secret Schemes or "How to be Sure You Have the Right Answer even though You don't know the question", Congressus Numerantium, vol. 8, 1989, pp 215-248.
- [55] *G. J. Simmons*: Shared Secret and/or Shared Control Schemes, Lecture Notes in Computer Science vol. 537, 1991, pp. 216-241.
- [56] *G. J. Simmons, W. Jacjson and K. Martin*: The Geometry of Shared Secret Schemes. Bulletin of ICA vol. 1, 1991, pp. 71-88.
- [57] *Dawn Xiaodong Song, David Wagner and Adrian Perrig*: Practical techniques for searches on encrypted data, In IEEE Symposium on Security and Privacy, pp 44-55, 2000. <http://citeseer.nj.nec.com/song00practical.html>.

-
- [58] *D. R. Stinson*: An Explication of Secret Sharing Schemes, Designs, Codes and Cryptography, vol. 2, 1992, pp 357-390.
- [59] *D. R. Stinson*: New General Lower Bounds on the Information Rate of Secret Sharing Schemes. Lecture Notes in Computer Science, vol. 740, 1993, pp. 170-184.
- [60] *D. R. Stinson*: Decomposition Constructions for Secret Sharing Schemes. IEEE Transactions on Inform. Theory, (40) 1994, pp 118-125.
- [61] *D. R. Stinson and S. A. Vanstone*: A combinatorial approach to threshold schemes. SIAMJ. on Discrete Mathematics, 1(2):230-236, 1988.
- [62] *M. Tompa and H. Woll*: How to share a Secret with Cheaters, Journal of Cryptography, vol. 1, no.2, 1988,pp 133-138
- [63] *E. Verheul and H.V. Tilborg*: Constructions and Properties of k out of n Visual Secret Sharing Schemes, Designs, Codes and Cryptography, vol. 11 no.2, 1997, pp. 179-196.