LIST OF PUBLICATIONS

Ruizhong Wei

Refereed Journal Papers[1]

1. K. Chen and R. Wei, On super-simple 2-designs, Ars Combinatoria, accepted.

2. L. Wang and R. Wei, Reputation model based dynamic pairwise key establishment scheme for sensor networks, Ad hoc and sensor wireless networks, accepted.

3. Z. Tian and R. Wei, Decomposing triples into cyclic designs, Discrete Math., accepted.

4. H. Cao, L. Wang and R. Wei, The existence of HGDDs with block size four and its application to double frames, Discrete Math., 309(2009), 945-949.

5. H. Cao and R. Wei, Combinatorial constructions for optimal two-dimensional optical orthogonal codes, IEEE Trans. Information Theory, 55(2009), 1387-1394.

6. B.M. Paterson, D.R. Stinson and R. Wei, Combinatorial batch codes, Advances in Mathematics of Communications, 3(2009), 13-27.

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8. R. Wei and K. Wu, Exception resolution services for Role Based Access Control systems, Information Science

9. D.R. Stinson, R. Wei and K. Chen, On generalized separating hash families, J. Combinatorial Theory, A, 115(2008), 105-120.

[1]Most of the journals are in the master journal list of ISI including: Annals of Discrete Math., Europ.J.Combinatorics, J.Combinatorial Designs, J.Statist.Plann.Infer., Discrete Math., SIAM J.Discrete Math., Appl. Discrete Math., J.Combinatorial Theory, IEEE Tran.Information Theory, Designs Codes and Cryptography, etc.

10. J.Wu and R. Wei, Comments on "Distributed symmetric key management for mobile ad hoc networks", Information Processing Letters, (2009), doi: 10.1016/j.ipl.2009.04.005.

11. R. Wei, On cover-free families, Discrete Math, accepted.

12. H. Cao, K. Chen and R. Wei, Super-simple balanced incomplete block designs with block size 4 and index 5, Discrete Math. 309(2009) 2808-2814.

13. K. Chen and R. Wei, Super-simple $(v, 5, 4)$ designs, Applied Discrete Math, 155(2007) 904-913.

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15. Brian J. Cacic and R. Wei, Improving indirect key management schemes of access hierarchies, International J. Network Security, 4(2007), 128-137.

16. D.R. Stinson and R. Wei, Some results on query processes and reconstructions for unconditionally secure 2-server 1-round binary private information retrieval protocols, Journal of Mathematical Cryptology 1(2007), 33-46.

17. D. Deng, D.R. Stinson, P.C. Li, G.H.J. van Rees and R. Wei, Constructions and bounds for (m, t)-splitting systems, Discrete Math., to appear.

18. P.C. Li, D.R. Stinson, G.H.J. van Rees and R. Wei, On $\{123, 124, 134\}$-free hypergraphs, Congressus Numerantium, 183(2006), 161-174.

19. P.C. Li, G.H.J. van Rees and R. Wei, 2-cover free families and related separating hash families, JCD 14(2006), 423-440.

20. K. Chen and R. Wei, A few more cyclic 2-Steiner designs, E-J. Combinatorics 13(2006) #R10.

21. K. Chen and R. Wei, Super-simple $(v, 5, 5)$ designs, Designs, Codes and Cryptography, 39(2006), 173-187.

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24. K. Chen, Z. Cao and R. Wei, Super-simple balanced incomplete block designs with block size 4 and index 6, J. Statist. Plann. Inference, 133(2005), 537-554.

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32. R. Wei, Cyclic BSEC with block size 3, Discrete Math., 250(2002), 291-298.

33. Y. Chang, D. Bryant, C.A. Rodger and R. Wei, Two dimensional balanced sampling plan excluding contiguous units, Communications in Statistics – Theory and Methods, 31(2002), 1441-1455.

34. J.N. Staddon, D.R. Stinson and R. Wei, Combinatorial properties of frameproof and traceability codes, IEEE Tran. Information Theory, 47(2001),1042-1049.

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41. F.E. Bennett, R. Wei and H. Zhang, *Holey Schröder designs of type* $2^n u^1$, J. Combinatorial Designs, 6(1998), 131-150.

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45. R. Rees, D.R. Stinson, R. Wei and G.H.J. van Rees, *An application of coverings: determine the maximum consistent set of shares in a threshold scheme*, Ars Comb., 53(1999), 225-237.

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Refereed Conference Papers

59. B. Wang and R. Wei, Zero-knowledge trust negotiation, Proceedings of CSCWD 09, 390-395.

60. R. Wei, Z. Mao and K. Yuan, Aperiodic Correlation for Complex Sequences from Difference Sets, Proceedings of International conference on communication (ICC 2008), 1190-1194.

61. Z. Liang and R. Wei, An efficient algorithm for data k-anonymization, Proceedings of CSCWD 08, 737-742.(12th International conference on computer supported cooperative work in design, April 16-18, 2008, Xi'an, China).

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66. Siami N. Akbar, R. Wei, Weiming Shen and Hamada Ghenniwa, Applying Secret Sharing Schemes to Service Reputation, ICEIS-2005, Miami, May 25-28, 2005. (7th International Conference on Enterprise Information Systems)

67. X. Chen and R. Wei, A scheme for inference problems using rough sets and entropy, RSFDGrC 2005, LNCS 3642, 558-567.

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70. R.Wei and J. Wu, Product construction of key distribution schemes for sensor networks, SAC'04, Waterloo, 2004, LNCS 3357, 280-293.

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72. C. Miao and R. Wei, Secret sharing for mobile agent cryptography, Proceedings of the 2003 Communication Networks & Services Research Conference (CNSR 2003), 93-100.

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74. D.R. Stinson and R. Wei, *Unconditional secure proactive secret sharing scheme with combinatorial structures*, SAC'99, LNCS 1758, 200-214.

75. R. Wei, *Nonexistence of Some Abelian Difference Sets*, in: Combinatorial Designs and Applications (Eds. W.D. Wallis, et al), Marcel Dekker Inc., 159-164, 1990.

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76. D.R. Stinson, R. Wei and J. Yin, Packings, CRC Handbook of Combinatotial Designs, 2nd Edition (J.H. Dinitz, C.J. Colbourn, eds.), Chapman & Hall/CRC, 2007, 550-556.

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77. L. Ji and R. Wei, The spectrum of 2-idempotent 3-quasigroups with conjugate invariant subgroups, Submitted to J. Combin Designs.

78. R. Wei, Z. Zeng and Z. Liang, Encryption based on splay trees, In preparation.

79. H. Cao, F. Yan and R. Wei, Super-simple Group Divisible Designs with Block Size 4 and Index 2, preprint.

80. L. Wang, R. Wei and D. Wang, Anisotropic voronoi tessellations based anti-monitoring algorithm in anisotropic sensory fields, submitted to Ad Hoc Networks.

81. L.Wang, R. Wei and Z. Tian, A new scheduling method for wireless sensor networks, in preparation.

82. Z. Tian and R. Wei, Decomposing triples of $\mathbb{Z}_{p^n}$ and $\mathbb{Z}_{3p^n}$ into cyclic designs, submitted to Designs, Codes and Cryptography.

83. S. Hsu and R. Wei, Complexity of optimal ℓ-diversity, submitted.

84. S. Huang and R. Wei, Visual cryptography with cheating shares, in preparation.

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85. J.Wu and R. Wei, Comments on a INFORCOM paper, ePrint, 008(2005).

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92. D. Stinson and R. Wei, Determining the Maximum Consistent Set of Shares in a Threshold Scheme, CORR 99-10.

93. D. Stinson and R. Wei, Unconditionally Secure Proactive Secret Sharing Scheme with Combinatorial Structures, CORR 99-14.

94. J.N. Staddon, D.R. Stinson and R. Wei, Combinatorial properties of frameproof and traceability codes, CORR 2000-16

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