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constitute the proceedings of the 28th International Conference on the Theory and Application of Cryptology and Information Security, ASIACRYPT 2022, held in Taipei, Taiwan, during December 5-9, 2022. The total of 98 full papers presented in these proceedings was carefully reviewed and selected from 364 submissions. The papers were organized in topical sections as follows: Part I: Award papers; functional and witness encryption; symmetric key cryptanalysis; multiparty computation; real world protocols; and blockchains and cryptocurrencies. Part II: Isogeny based cryptography; homomorphic encryption; NIZK and SNARKs; non interactive zero knowledge; and symmetric cryptography. Part III: Practical cryptography; advanced encryption; zero knowledge; quantum algorithms; lattice cryptoanalysis. Part IV: Signatures; commitments; theory; cryptoanalysis; and quantum cryptography.