

Secure Data Management

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Recent developments in computer, communication, and information technologies, along with increasingly interconnected networks and mobility have established new emerging technologies, such as ubiquitous computing and ambient intelligence, as a very important and unavoidable part of everyday life. However, this development has greatly influenced people's security concerns. As data is accessible anytime from anywhere, according to these new concepts, it becomes much easier to get unauthorized data access. As another consequence, the use of new technologies has brought some privacy concerns. It becomes simpler to collect, store, and search personal information and endanger people's privacy. Therefore, research in the area of secure data management is of growing importance, attracting the attention of both the data management and security research communities. The interesting problems range from traditional ones such as access control (with all variations, like role-based and/or context-aware), database security, operations on encrypted data, and privacy preserving data mining to cryptographic protocols. The call for papers attracted 33 papers both from universities and industry. The program committee selected 13 research papers for presentation at the workshop. These papers are also collected in this volume, which we hope will serve you as useful research and reference material.

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