Welcome to the Third International Symposium on Privacy and Security in Cloud and Big Data (PriSec2014). This symposium is co-located with the Fourth IEEE International Conference on Big Data and Cloud Computing (BDCloud2014) held on during Dec. 3-5, 2014, Sydney, Australia.

Cloud Computing and Big Data are two emerging paradigms in the recent developments of information technology. Cloud Computing enables computing resources to be provided as IT services in a pay-as-you-go fashion with high efficiency and effectiveness. Big data is an emerging paradigm applied to datasets whose size is beyond the ability of commonly used software tools to capture, manage, and process the data within a tolerable elapsed time. With Variety/Volume/Velocity/Value/Veracity/, Big Data such as medical records need to be protected in a scalable and efficient way.

Information privacy and security is one of most concerned issues for Cloud Computing due to its open environment with very limited user-side control. It is also an important challenge for Big Data as estimated by IDC. In addition, Cloud Computing and Big Data are coming together in practice. As estimated by IDC, by 2020, about 40% data globally would be touched with Cloud Computing. Cloud Computing provides strong storage, computation and distributed capability in support of Big Data processing. As such, there is a strong demand to investigate information privacy and security challenges in both Cloud Computing and Big Data. This symposium aims at providing such forum for researchers, practitioners and developers from different background areas such as distributed computing, cloud computing, big data, database, data mining, information security and privacy protection areas to exchange the latest experience, research ideas and synergic research and development on fundamental issues and applications about security and privacy issues in cloud and big data environments. The symposium solicits high quality research results in all related areas.

PriSec2014 contains 3 papers. Each of them was peer reviewed by at least three program committee members. The symposium covers a broad range of topics in the field of Privacy and Security in Cloud and Big Data. We thank the authors for submitting their work and the members of the PriSec2014 program committee for managing the reviews of the symposium papers in such a short time.

We would like to express our gratitude to everyone who participates in this symposium. We hope you enjoy the workshop and have a great time in Sydney, Australia.

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