With the rapid growth in technologies such as Internet of Things (IoT) devices and mobile applications, the needs for protecting privacy of individuals and developing applications that are consistent with their own privacy policies and existing privacy-related regulations have become more emergent. In this talk, recent efforts in tackling these challenges and bridging the gap between privacy concerns and the existing software and privacy engineering approaches will be described.

- Methodology, algorithms, and tools to identify, extract, model and incorporate privacy and legal requirements in the early phase of software development lifecycle will be discussed, followed by the implementation phase of software development lifecycle, presentation of automated approaches for analysis and shortening the privacy policies, including extraction of sensitive statements from such policies. This approach provides more concise notices to the user.

- Initial steps towards developing a recommender system which translates permission functionalities of Android applications into a set of privacy statements will be discussed.

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