

Preface

Cognitive radio networks (CRNs) have been considered as an attractive means to mitigate the spectrum scarcity issue that is expected to occur due to the increasing demand for wireless channel resources. In CRNs, unlicensed users can opportunistically access temporarily available licensed bands or white spaces according to spectrum availability information, which can be obtained by collaborative spectrum sensing or database query. As such, the unlicensed users need to share their location-related information with other unlicensed users or the database owner, which may compromise their location privacy. This book focuses on the current state-of-the-art research on location privacy preservation in CRNs. Along with the reviewed existing works, this book also includes fundamental privacy models, possible frameworks, useful performance, and future research directions.

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