



A first graduate level book on Mobile Database System. The book begins with a history of wireless and mobile discipline and converges on topics important for the development of mobile database systems. It then discusses some basic concepts of database processing with reference to mobility whenever appropriate. It explains why conventional approaches to data processing on mobile systems would not work satisfactorily and makes a strong case for the development of new schemes. It presents mobile transaction models and covers concurrency control and database recovery schemes for mobile database systems. It discusses in detail data broadcast on wireless channels and builds a system for managing location dependent transactional activities.

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