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Handbook of Research on Mobile Software Engineering: Design, Implementation, and Emergent Applications



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The popularity of an increasing number of mobile devices, such as PDAs, laptops, smart phones, and tablet computers, has made the mobile device the central method of communication in many societies. These devices may be used as electronic wallets, social networking tools, or may serve as a person's main access point to the World Wide Web.

The Handbook of Research on Mobile Software Engineering: Design, Implementation, and Emergent Applications highlights state-of-the-art research concerning the key issues surrounding current and future challenges associated with the software engineering of mobile systems and related emergent applications. This handbook addresses gaps in the literature within the area of software engineering and the mobile computing world.

Topics Covered:

- Quality of Service (QoS) for mobile systems
- Map-based and Location-aware Applications
- Mobile and Wireless Sensor Networks
- P2P Networking
- Software Engineering and Design
- Design of Mobile Geo-Applications
- Interoperability of Mobile Agents
- Model-Driven Techniques
- Ubiquitous Computing
- Mobile Web Applications Development
- Mobile Cognitive Radio Systems
- Wireless Ad Hoc Networks

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