Database Issues in Mobile Computing

- Query Processing
- Replication Management
- Location Management
- Transaction Processing

Query Processing

- New Issues
  - Energy Efficient Query Processing
  - Location Dependent Query Processing
- Old Issues - New Context
  - Cost Model

Location Management

- New Issues
  - Tracking Mobile Users
- Old Issues - New Context
  - Managing Update Intensive Location Information
  - Providing Replication to Reduce Latency for Location Queries
  - Consistent Maintenance of Location Information

Transaction Processing

- New Issues
  - Recovery of Mobile Transactions
  - Lock Management in Mobile Transactions
- Old Issues - New Context
  - Extended Transaction Models
  - Partitioning Objects while Maintaining Correctness