

## ABSTRACT

*Cache is a temporary data storage area that is intended to improve the data transfer process. Checks are performed on the data in the cache in order to remain consistent with the data in the server (cache coherence). There are several schemes to ensure cache coherence, one of them is invalidation by Absolute Validity Interval (IAVI). This method uses an attribute called Absolute Validity Interval (AVI) which states that the life time of the data. Cache uses these attributes to perform invalidation of the data held by the cache. Then the server sends invalidation report only to data that changes outside of AVI, so the size of invalidation report can be reduced. This method is quite stable, when performed change the amount of data in the database, as well as changes in validity interval, the response time of data collection remained static. the greater the amount of data in the cache will reduce the response time data access and also improve the cache hit ratio.*

**Keywords:** *mobile database, cache coherence, invalidation, cache, server, IAVI, AVI.*