

## Agile Reconstruction Methods Based on Agent in Distributed Database \*

Qu YouTian Xu Hong

Institute of Computer Science Studies, Zhejiang Normal University

College of Information Science and engineering, Zhejiang Normal University

Jinhua city, Zhejiang province, 321004, P. R. China

Email: quyt@mail.zjnu.net.cn, Tel: 0086-0579-2283410

### ABSTRACT

Collaborative design has become a research topic mainly in the domain of Architecture Engineering and Construction (AEC). Data sharing is a basic requirement in collaborative AEC design. In distributed database environment, a new information infrastructure and data sharing method by agent based agile database reconstruction is proposed. The method can retrieve all partners' data information and can reconstruct a virtual distributed database with it, intelligently, flexibly and effectively. And it makes the agent based agile software development possible for the virtual enterprise.

**Keywords:** Agile Reconstruction; Agent; Distributed Database; Collaborative Design; Virtual Enterprise