

## **A Future Trend of the Intelligent Query Language (IQL)**

*Henry C. Huang*

Tamkang University

R.O.C.

*Ching-Tang Chen*

Tamkang University

R.O.C.

### **Abstract**

The significant contributions in query languages for various applications were reckoned by researchers. Nevertheless, the future trend seems to be stressed on the intelligent query language. The considerations and designs focus on human-factors and computer interfaces. Thus, the attempt on the study emphasizes on the importance of human characteristics in the computer system. A designed framework is developed, which consists of three components:

- a) The Natural Language Assistant Subunit (NLAS) - to manage the user's request and to provide an assisted role for the system,
- b) The Meaning Extraction Subunit (MES) - to analyze the user's request and to infer from the user's intentions, and
- c) The Information Retrieval Assistant Subunit (IRAS) - to present the adequate information alternatives of the user's request and to manipulate the user's choice into the DBMS (Database Management System) for retrieving.

*Keywords:* Human Factors, Natural Language, Query System, Database, Database Management System, Human-Machine Interaction.

---