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Current Research Title and Focus:

Learning & Researching of Data Processing or Data centric programming languages of various types of databases available in the premium and open source market and variations in their data types in order to make data optimization process efficient .

Center of Research:

Differences in multiple data types of various databases with respect to their storage capacity, variability or flexibility and dynamism which include databases such as OLTP, OLAP, Traditional, Analytical, Distributed, Cluster based with main emphasis on distributed storage systems and cloud database organization for Data Warehouse or data centric application available in the premium and open source market.

The data-centric languages and systems thematic aims at designing and developing programming languages as well as systems that seriously take into account massive data. The purpose is to build robust and efficient platforms on well founded theoretical grounds. Internet explosion and the ever growing importance of data in applications as well as the recent emergence of cloud computing, has given birth to a whirlwind of new data models (XML, JSON) and languages (XPath, XQuery, Pig, Hql, Jaql...). Whether they are developed under the banner of NoSQL (which stands for Not Only SQL), for BigData Analytics, for Cloud computing or as domain specific languages (DSL) embedded in a host language, most of them share a common subset of SQL and/or the ability to handle semi structured data. Such languages can greatly benefit from formal uniform foundations, and we argue that such foundations should account for novel features critical to various application domains. Also, most of those languages provide limited type checking, or ignore it altogether. We believe type checking is essential for many applications, with usage ranging from error detection to optimization.

Publication Status: Not Published **(**http://hvr.ueuo.com)