



AUTH ACM Student Chapter

## INVITED LECTURE

**Professor Ahmed K. Elmagarmid** (Executive Director of the Qatar Computing Research Institute), IEEE Fellow and ACM Distinguished Scientist, is going to lecture on

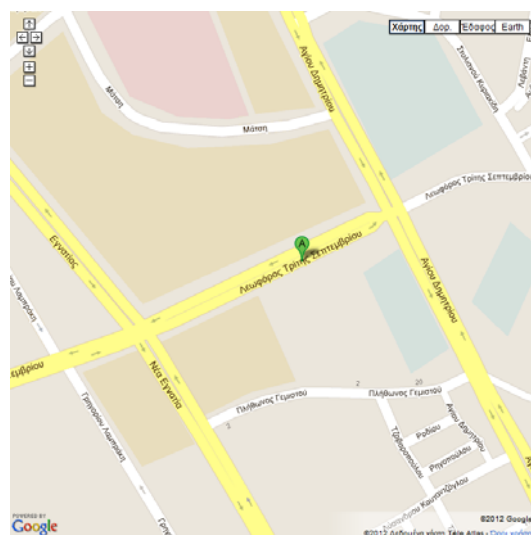
### **Data Quality: Not Your Typical Database Problem**

at the **Auditorium III of Aristotle University Research Dissemination Center – ΚΕΔΕΑ ΑΠΘ** (September 3rd Ave., University Campus) on **Friday March 23rd, 2012 at 16:00.**

#### **ABSTRACT**

Textbook database examples are often wrong and simplistic. Unfortunately Data is never born clean or pure. Errors, missing values, repeated entries, inconsistent instances and unsatisfied business rules are the norm rather than the exception. Data cleaning (also known as data cleansing, record linkage and many other terminologies) is growing as a major application requirement and an interdisciplinary research area.

In this talk, we will start by discussing some of the major issues and challenges facing creating effective and efficient data cleaning solutions. Then we will discuss some challenges and criticize current conservative approaches to this very critical problem. Finally we will discuss some of our work at QCRI in this area.



## About the Speaker:

### **Ahmed K. Elmagarmid**

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Ahmed K. Elmagarmid is the Qatar Foundation's inaugural executive director of the Qatar Computing Research Institute. Before joining Qatar Foundation, he was director of both the Indiana Center for Database Systems and the Cyber Center at Purdue University's Discovery Park and a professor of Computer Science at Purdue, where he taught and researched for 22 years. Early in his career, in 1988, he received the National Science Foundation's Presidential Young Investigator award from President Ronald Reagan. The Ohio State University (1993) and the University of Dayton (1995) have both named him among their distinguished alumni. He is a fellow of the IEEE and an ACM distinguished scientist. His expertise is in database technology, data integration and quality.

Dr. Elmagarmid received a B.S. in Computer Science from the University of Dayton (1977), and his M.S. (1981) and Ph.D. (1985) in Computer Science from the Ohio State University. He has held positions at Pennsylvania State University, the University of Padova, and Purdue University.

Dr. Elmagarmid served as a chief scientist in HP's Office of Strategy and Technology. He has consulted (among many others) for Telcordia Technology, Bellcore, IBM, CSC, Harris, D. H. Brown and Associates, MCC, Bell Northern Research, Molecular Design Labs, Sidra M&RC, and UniSql as well as acquiring a patent for workflow database technology.