

The 1998 Conference on Information Quality

Conference Program

October 23, Friday

5:00 - 7:00 **Registration and Reception at MIT Faculty Club.....E52 (6th Floor)**

Informal Discussions

October 24, Saturday

8:00 - 9:00 **Registration and Continental Breakfast.....E51-345**

9:00 - 9:30 **Chairs' Welcome and Opening Remarks.....E51-345**

Stuart Madnick, Conference Co-Chair, MIT
Richard Wang, Conference Co-Chair, MIT TDQM Program
Leo Pipino, Program Co-Chair, UMASS Lowell
InduShobha Chengalur-Smith, Program Co-Chair, SUNY - Albany

9:30 - 10:20 **Keynote Speech.....E51-345**

The Top Ten Trends Driving the IT Industry
Paul Gillin, Editor, *Computerworld*

10:20 - 10:45 **Coffee Break**

10:45 - 12:15 **Paper Session 1: Data Quality Management.....E51-345**

Session Chair: Giri Tayi, SUNY - Albany
**Institutionalizing Data Quality Practice:
The S.C. Johnson Wax Case**
James Funk, S.C. Johnson Wax
Yang Lee, Northeastern University
Richard Wang, MIT TDQM Program

**Establishing the Environment for Implementation of a
Data Quality Management Culture in the
Military Health System**
Captain Thomas Burzynski, US Army

**Incorporating Stakeholder Values and Needs in National Highway
Decision Support System Improvement Planning**

Adjo Amekudzi, Carnegie Mellon University
Sue McNeil, Carnegie Mellon University
Busby Atttoh-Okine, Florida International University

12:15 - 1:45 **Luncheon at MIT Faculty Club**.....E52 (6th Floor)

2:00 - 3:30 **Parallel Paper Session 2A: Field Studies in Data Quality**.....E51-372

Session Chair: Diane Strong, Worcester Polytechnic Institute

Modeling Quality Requirements in Conceptual Database Design

Veda Storey, Georgia State University

Richard Wang, MIT TDQM Program

Decision Complacency, Consensus and Consistency in the Presence of Data Quality Information

InduShobha Chengalur-Smith, SUNY - Albany

Harold Pazer, SUNY - Albany

Product and Service Performance Model for Information Quality: An Update

Beverly Kahn, Suffolk University

Diane Strong, Worcester Polytechnic Institute

Information System Quality Process in Theory and Practice: Results from a Preliminary Case Study

Olayele Adelakun, Turku Centre for Computer Science, Finland

Kaj Enholm, Parcomp Oy Ab, Finland

376 **Parallel Paper Session 2B: Analytical Approaches to Data Quality**.....E51-

Session Chair: H. L. Thacker, SRA

Quality Driven Source Selection Using Data Envelope Analysis

Felix Naumann, Humboldt University, Berlin

Johann Freytag, Humboldt University, Berlin

Myra Spiliopoulou, Humboldt University, Berlin

Enumerating Data Errors: A Survey of the Counting Literature

Elizabeth Pierce, Indiana University of Pennsylvania

A Preliminary Analysis of Data Quality in Linear Regression Models

Barbara Klein, University of Michigan - Dearborn

Donald Rossin, University of Michigan - Dearborn

3:30 - 4:00 **Coffee Break**

4:00 - 5:30 **Parallel Paper Session 3A: Data Quality Measurement.....E51-**
372

Session Chair: Beverly Kahn, Suffolk University

Flow Parameters and Quality in Accounting Information Systems

Akilesh Chandra, North Carolina A&T State University

Ravi Krovi, North Carolina A&T State University

Balaji Rajagopalan, Illinois State University

Measuring the Impact of Data Quality on an EDI Enabled Inter-organizational Business Process

Bas Vermeer, University of Eindhoven, Netherlands

Data Metrics

Ion Ivan, Bucharest Academy of Economic Studies

Otilia Parlog, Romanian Defence Ministry

Petrisor Oprea, Bucharest Academy of Economic Studies

Gheroghe Nosca, Romanian Defence Ministry

Anca-Andreea Ivan, University "POLITEHNICA" of Bucharest

376 **Parallel Paper Session 3B: Data Quality Improvement.....E51-**

Session Chair: Barbara Klein, University at Michigan-Dearborn

Information Integrity Technology Product Structure

Vijay Mandke, Indira Gandhi National Open University, India

Madhavan Nayar, Unitech Systems

**From Data Source Quality to Information Quality:
The Relative Dimension**

Laure Berti, University of Toulon et du Var, France

**A Framework for Addressing Data Quality in Distributed Computing
Systems**

Finbar Fletcher, Stevens Institute of Technology

5:45 - 7:00 **Reception at MIT Faculty Club.....E52 (6th
Floor)**

October 25, Sunday

8:00 - 9:00 Registration and Continental Breakfast.....E51-345

9:00 - 10:30 Paper Session 4: Data Quality in Data Warehouses.....E51-345

Session Chair: Yang Lee, Northeastern University

DataBryte: A Proposed Data Warehouse Cleansing Framework

Steve Mohan, University of Phoenix

Mary Jane Willshire, SEMA

Charles Schroeder, Colorado Technical University

**Understanding Data Quality and Data Warehousing:
A Semiotic Approach**

Graeme Shanks, Monash University, Australia

Peta Darke, Monash University, Australia

**Data Quality Tools for Data Warehousing:
A Small Sample Survey**

Pamela Neely, SUNY at Albany

10:30 - 10:45 Coffee Break

10:45 -12:15 Panel Discussion on Data Quality: The View from Practice.....E51-345

Session Chair: Stuart Madnick, MIT

Panelists:

James Funk, S. C. Johnson Wax

Rita Kovac, Information Resources Inc.

Bruce Davidson, Cedars-Sinai Health System

Donna Fletcher, American Health Information Management Association

Martin J. Eppler, University of St. Gallen, Switzerland

**12:15 Informal Discussions
End of IQ 1998 Conference**