The 1997 Conference on Information Quality

Conference Program

October 24, Friday

5:00 - 7:00   **Registration**
            Informal Discussions

October 25, Saturday

8:00 - 9:00   **Registration**

9:00 - 9:30   **Chairs' Welcome and Opening Remarks**
            Stuart Madnick, Conference Co-Chair, MIT
            Richard Wang, Conference Co-Chair, MIT
            Diane Strong, Program Co-Chair, WPI
            Beverly Kahn, Program Co-Chair, Suffolk University

9:30 - 10:20   **Keynote Speech**
            Edward D. Martin, M.D.
            Acting Assistant Secretary of Defense (Health Affairs)

10:20 - 11:00 **Coffee Break**

11:00 - 12:30 **Paper Session 1: Information Quality in the Healthcare Industry**
            Session Chair: Richard Wang, MIT
                A Risk Focused Model for Improving Information Quality: Lessons from the Science of Epidemiology
                   Colonel Lane A. Ongstad, U.S. Air Force
                Quality Metrics for Healthcare Data: An Analytical Approach
                   Rema Padman, Carnegie Mellon University
                   Melissa Tzourakis, Medicode
                Data Quality Improvement: Best Practices in the Military Health Services System and the U.S. Army Medical Department
                   Lieutenant Colonel David J. Corey, U.S. Army

12:30 - 2:15   **Luncheon at MIT Faculty Club**
            Luncheon Speech
                David Starr, Chief Information Officer, Reader's Digest

2:30 - 4:00   **Paper Session 2: Information Quality Improvement Frameworks and Methods**
Session Chair: Giri Kumar Tayi, SUNY-Albany
> **Metrics for TDQM: The Case of IRI**
> > Rita Kovac, Information Resources Inc.
> > Yang W. Lee, Cambridge Research Group
> > Leo L. Pipino, University of Massachusetts, Lowell
>
> **A Model for Delivering Quality Information as Product and Service**
> > Beverly Kahn, Suffolk University
> > Diane Strong, Worcester Polytechnic Institute
> > Richard Wang, Massachusetts Institute of Technology
>
> **A Data Quality Engineering Framework**
> > Donna Meyen, MITRE
> > Mary Jane Willshire, Colorado Technical University

> **Paper Session 3: Assuring Information Quality through Software Quality**
> Session Chair: Gene McGuire, American University
> > **Exploring Some Determinants of ES Quality**
> > > Tor Guimaraes, Tennessee Technological University
> > > Youngohc Yoon, Virginia Commonwealth University
> > > Aaron Clevenson, E. I. DuPont de Nemours
> >
> > **Formal Aspects of Software Testing and Validation and Interpreting them in the Context of ISO 9000**
> > > K. Viswanathan Iyer, Regional Engineering College, Trichy, India
> >
> > **Quality - What Does it Mean for Strategic Information Systems**
> > > Olayele Adelakun, Inst. of Information Systems Science, Turku, Finland
> >
> > **Information Quality as a Strategic Asset in Inter-Firm Relationships**
> > > Ellen Christiaanse, Nijenrode University, The Netherlands

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

4:30 - 6:00   **Paper Session 4: Information Quality Improvement Tools**
Session Chair: Diane M. Strong, WPI
> **Using P-Charts to Track Data Quality (Some Observations based on a simulation study)**
> > Elizabeth Pierce, Indiana University of Pennsylvania
>
> **Out of Overinformation by Information Filtering and Information Quality Weighting**
> > Laure Berti, Universite de Toulon et du Var, La Gerde cedex, France
>
> **A Quantitative Model to Support Data Quality Improvement**
> > Willliam Haebich, G. C. Simsion, G. R. Bowles & Associates, Australia
>
> **A Case Study of Customer Knowledge Management Using Knowledge Cockpit**
> > Jessica Hu, Kuan-Tsae Huang, Kazashi Kuse, Geng-Wen Su, Ko-Yang
> >   Wang, IBM Global Services Consulting Group
> > Zhen-Qiang Wang, IBM Research

Paper Session 5: Data Quality for Decision Making
Session Chair: Leo Pipino, University of Massachusetts, Lowell
>**The Impact of Data Quality Tagging on Decision Complacency**
>>InduShobha N. Chengalur-Smith , SUNY-Albany
>>Donald P. Ballou, SUNY-Albany
>>Harold L. Pazer, SUNY-Albany
>
>**A Preliminary Analysis of Data Quality in Neural Networks**
>>Barbara D. Klein, University of Michigan-Dearborn
>>Donald F. Rossin, University of Michigan-Dearborn
>
>**Teaching Data Quality in the Undergraduate Database Course**
>>Richard G. Mathieu, University of North Carolina at Wilmington
>>Omar Khalil, University of Massachusetts at Dartmouth

6:15 - 7:15   **Reception at MIT Faculty Club**

7:15 - 9:00   **Dinner at MIT Faculty Club**

October 26, Sunday

9:00 - 10:30   **Paper Session 6: Data Quality in Data Warehouses**
Session Chair: Beverly Kahn, Suffolk University
>**A Data Quality Handbook for a Data Warehouse**
>>Eva Gardyn, HSBC Asset Management, Melbourne, Australia
>
>**Preparing Data for the Data Warehouse**
>>Stephen M. Brown, Vality Technology
>
>**Foundations of Data Warehouse Quality**
>>Matthias Jarke, Technical University of Aachen, Germany
>>Yannis Vassiliou, National Technical University of Athens, Greece

Paper Session 7: Information Integrity in Databases
Session Chair: InduShobha N. Chengalur-Smith , SUNY-Albany
>**Information Integrity: A Structure for its Definition**
>>Vijay V. Mandke, Indira Gandhi National Open University, New Delhi
>>Madhavan Nayar, Unitech Systems
>
>**Propagating Integrity Information in Multi-Tiered Database Systems**
>>Arnon Rosenthal, MITRE
>>Paul Dell, MITRE
>
>**The Impact of Design Flaws**
>>Luiz C. Siqueira, DBE Software

10:30 - 10:45   **Coffee Break**

10:45 -12:15   **Views from Consultants: Where Do We Go From Here?**
                Session Chair: Stuart Madnick, MIT
                Panelists:

                      Jerry Grochow, Chief Technology Officer,
                          American Management Systems
                      Dr. James V. McGee, Chief Knowledge Architect,
                          Diamond Technology Partners

                Conference Summary, Stuart Madnick, MIT

12:15   **End of IQ 1997 Conference**
                Informal Discussions