

The 10th ICIQ (MIT IQ) Conference Program

FRIDAY, November 4

5:30 - 6:30 PM **✓ OFFICIAL ICIQ-05 CONFERENCE STARTS** **E52**
 (6th Floor)
Registration and Reception at MIT Faculty Club
 Registration, Reception, and Informal Discussions

SATURDAY, November 5

8:30 - 9:00 AM **REGISTRATION AND CONTINENTAL BREAKFAST** **E51-345**

9:00 - 9:20 **✓ CHAIRS' WELCOME AND OPENING REMARKS** **E51-345**

Richard Wang, Conference Chair
MIT Information Quality Program & TDQM Program, USA
Felix Naumann, Program Chair
Humboldt-Universität zu Berlin, Germany
Michael Gertz, Program Chair
University of California at Davis, USA
Michael Mielke, Program Chair
Die Bahn, AG, Germany
Stuart Madnick, Program Chair
MIT Sloan School of Management, USA

9:20 - 10:00 **✓ KEYNOTE SPEECH** **E51-345**

The Perfect Storm: Data Quality Challenges for the Next Decade
 Peter Kaomea, *CIO, Sullivan & Cromwell LLP*

10:00 - 10:15 Coffee Break

10:15 - 11:45 **Panel 1: THE CHALLENGES OF DISASTER DATA MANAGEMENT** **E51-372**

Panel Moderator: Louiqa Raschid, *University of Maryland*
Panelists:
 Monica Scannapieco, *Universita di Roma*
 Fei Ye, *University of Maryland*
 Snehal Thakkar, *University of Southern California*
 Hernando Quintero, *World Bank*

10:15 - 11:45 **1A IQ MODELS** **E51-376**

Session Chair: John Talburt, *Axiom Corporation*

A Formal Definition of Data Quality Problems
 Paulo Oliveira, *University of Minho*

A Data Quality Model for Asset Management in Engineering Organisations

Andy Koronios, *University of South Australia*

Shien Lin, *University of South Australia*

Jing Gao, *University of South Australia*

The Product Approach to Data Quality and Fitness for Use: A Framework for Analysis

Pamela Neely, *Rochester Institute of Technology*

11:45 - 1:15 PM

✓ LUNCH KEYNOTE: Degree of Master of Science in Information Quality (MSIQ) at ULAR

E51-345

Introductory Remarks

Stuart Madnick, *John Norris Maguire Professor of IT, Sloan School of Management & Professor of Engineering Systems, School of Engineering, Massachusetts Institute of Technology*

UALR-MSIQ: A Vision and Progress Report

Ibrahim (Abe) Nisanci, *Vice Provost for Research and Dean of the Graduate School, University of Arkansas at Little Rock (UALR)*

1:15 - 2:30

2A IQ PRACTICES I

E51-335

Session Chair: NingNing Wu, *University of Arkansas at Little Rock*

The IQ Solution Cycle

Frank Dravis, *FirstLogic, Inc.*

The Data Quality Improvement Program is Yielding Dividends for HUD

Randy Bissett, *Cairo Corporation*

Beverly Hacker, *U.S. Department of Housing and Urban Development*

1:15 - 2:30

2B HEALTHCARE & COST

E51-372

Session Chair: David R. Evans, *British Telecommunications plc*

Measuring The Quality of Care Using Data From Hospital Information Systems: Issues about Data Quality

Jonathan Einbinder, *Partners HealthCare System*

Vipul Kashyap, *Partners HealthCare System*

Joel Vengco, *Partners HealthCare System*

Reasons for Disregarding Information Quality Management in Nursing Information Systems

Cathal Ó Riain, *Dublin City University*

Markus Helfert, *Dublin City University*

**Information Quality Cost Curves: Empirical Evidence
from PTR / SCR Costing**

Anton Raneses, *Engineering Mgt Program Oklahoma State University*
Michael Mielke, *Die Bahn*

1:15 - 2:30

2C DATA INTEGRATION

E51-376

Session Chair: Elizabeth Pierce, *Indiana University of Pennsylvania*

Data Quality Issues in Integrated Enterprise Systems

Diane Strong, *Worcester Polytechnic Institute*
Olga Volkoff, *Simon Fraser University*

**The Application of Commercial Data Integration
Technologies to Improve the Quality of Anonymous Entity
Resolution in the Public Sector**

Charles Morgan, *Acxiom Corporation*
John Talburt, *Acxiom Corporation*
Terry Talley, *Acxiom Corporation*
Ken Archer, *Acxiom Corporation*

**A Theory of Complementarity for Extracting Accurate
Data from Inaccurate Sources through Integration**

Irit Askira Gelman, *University of Arizona*

2:30 – 2:45

Coffee Break

2:45 - 4:15

3A IQ SYSTEMS

E51-335

Session Chair: Felix Naumann, *Humboldt-Universität zu Berlin,
Germany*

**Improving Information Quality Management Using
Caldea and Evamecal**

Ismael Caballero, *Alarcos Research Group. ESI.*
Angélica Caro, *Alarcos Research Group. ESI. UCLM*
Mario Piattini, *Alarcos Research Group. ESI. UCLM*

**An Introductory Analysis of the Automated Manifest
System and the Global Transportation Network within the
Joint Total Asset Visibility (JTAV) System Using the
Defense Logistics Information Service Data Quality Plan**

Richard Hansen, *Defense Logistics Information Services*
Karen Cooper LT USN, *Defense Logistics Information Services*

An Introductory Analysis of the Hazardous Materials Information Resource System: Establishing Baseline Measurements for Data Quality and Application of the TDQM Method

Mary Faber, *Defense Logistics Information Services*
Kay Eggers, *Defense Logistics Information Services*

2:45 - 4:15

3B IQ ASSESSMENT

Session Chair: Michael Mielke, *German Rail*

Operations Quality of Data and Information

Zbigniew J Gackowski, *California State University Stanislaus*

Value-Driven Data Quality Assessment

Adir Even, *Boston University*
Ganesan Shankaranarayanan, *Boston University*

Reproducible Measurement of Data Field Quality

Marcus Gebauer, *WestLB AG*
Niels Weigel, *FUZZY! Informatik AG*

E51-345

2:45 – 4:15

3C IQ FOR CONTENT

Session Chair: Brigitte Laboisse, *AID, France* & Delphine Clément, *Hewlett Packard Company*

Finding High-Quality Web Pages Using Cohesiveness

Joshua C. C. Pun, *HKUST*
Frederick Lochovsky, *HKUST*

E51-376

A Broker for Selecting and Provisioning High Quality Syndicated Data

Danilo Ardagna, *Politecnico di Milano*
Cinzia Cappiello, *Politecnico di Milano*
Marco Comuzzi, *Politecnico di Milano*
Chiara Francalanci, *Politecnico di Milano*
Barbara Pernici, *Politecnico di Milano*

CSDQ: A User-Centered Approach to Improving the Quality of Customer Support Data

Susan L. Keenan, *Hewlett-Packard Company*
Terri Simmons, *Hewlett-Packard Company*

4:15 – 4:30

Coffee Break

4:30 - 6:00

Panel 2 THE ROAD TO DATA QUALITY AT CEDARS-SINAI MEDICAL CENTER

E51-335

Panel Moderator: Bruce Davidson, *Cedars-Sinai Medical Center*

Panelists:

The evolution of the Cedars-Sinai Data Quality Management initiative: How we got to where we are now

Bruce Davidson, *Cedars-Sinai Medical Center*

Our Current Data Quality Management Plan and Process: Tasks, Timeframes, and Milestones; Standard Operating Procedures

Alein Chun, *Cedars-Sinai Medical Center*

Creating and Communicating Organization-Wide Data Standards, Production Maps and Policies

Julie Reiner, *Cedars-Sinai Medical Center*

Solving Data Quality Problems: Creating the Data Quality “Hot Topics“ Database; Statistical Analysis and Solutions; Developing Data Audits

Nilesh Bajania, *Cedars-Sinai Medical Center*

4:30 – 6:00

4B DATA MINING

E51-372

Session Chair: Leo Pipino, *Umass Lowell*

Quality-Aware Mining of Data Streams

Marcel Karnstedt, *University of Ilmenau*

Conny Franke, *University of Ilmenau*

Michael Hartung, *University of Ilmenau*

Kai-Uwe Sattler, *University of Ilmenau*

Mining Network Logs: Information Quality Challenges

James A. Pelletier, *AT&T Labs – Research*

Tamraparni Dasu, *AT&T Labs - Research*

SUNDAY, November 6

8:30 - 9:00 AM

Registration and Continental Breakfast

E51-345

9:00 - 10:30 AM

5A IQ IN DISTRIBUTED SYSTEMS AND SOFTWARE

E51-335

Session Chair: Harry Zhu, *MIT IQ Program*

A Methodology for Establishing Information Quality Baselines for Complex, Distributed Systems

Joseph Bugajski, *Visa International*

Robert Grossman, *Open Data*

Eric Sumner, *Open Data*

Zhao Tang, *Bearing Point*

Requirements of New Emerging Services in the Ubiquitous Networking Society Based on IQ Analysis

Akihisa Kodate, *Tsuda College*
Daiji Hario, *Waseda University*
Takashi Baba, *Waseda University*
Yasuhiro Tanaka, *Waseda University*

IQ Principles in Software Development

Michael Mielke, *DB AG*

9:00 - 10:30 AM

5B IQ PRACTICES II

E51-376

Session Chair: *Traci Campbell, Acxiom Corporation*

How to make a start: DQ Health Check

Nigel Totterdell, *Data Diagnostic Services*

Master Data Management Roles - Their Part in Data Quality Implementation

Alan Duff, *A Duff International Associates Ltd*

Master Data Management (MDM) enables IQ at Tetra Pak

Patrick Bettschen, *Tetra Pak International SA*

10:30 - 10:45 AM Coffee Break

10:45-12:00 PM

Panel 3: GOVERNMENT INFORMATION QUALITY

E51-335

Panel Moderator: *Reggie Cheatham, US EPA*

Panelists:

Ensuring Information Quality & Implementing Information Quality Guidelines at EPA

Reggie Cheatham, *US EPA*

Quality Planning in the EPA Office of Environmental Information

Jeff Worthington, *US EPA*

Uniform Federal Policy – Quality Assurance Project Plan

Moira MacKenzie Lataille, *US EPA*

10:45-12:00 PM

6A TRUST

E51-372

Session Chair: *Diane Strong, WPI*

Believability as an Information Quality Dimension

Shekhar Pradhan, *Marist College*

Antecedents of the Quality of Online Customer Information

Horst Treiblmaier, *Vienna University of Economics and Business Administration*

**Interorganizational Trust and Interorganizational
System's Information Quality**

Mohammed Ibrahim, *Tilburg University*

10:45-12:00 PM

6B IQ IN APPLICATION DOMAINS

E51-376

Session Chair: Michael Gertz, *University of California at Davis*

**Assessing Information Quality of a Community-Based
Encyclopedia**

Besiki Stvilia, *University of Illinois*

Michael B. Twidale, *University of Illinois*

Linda C. Smith, *University of Illinois*

Les Gasser, *University of Illinois*

**Quality-Aware Integration and Warehousing of Genomic
Data**

Laure Berti-Equille, *IRISA*

Fouzia Moussouni, *INSERM U522*

**Using a Process Approach to Monitoring Financial Data
Quality Assessment and Improvement**

Donna Fletcher, *Bentley College*

Kurda Mohamad

Mary Ann Robbert, *Bentley College*

Philip Middleton

√ END OF ICIQ-05 CONFERENCE