# The 11th ICIQ (ICIQ-06, MIT IQ) Conference Program

**FRIDAY, November 10**

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<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>5:30 - 6:30 PM</td>
<td>ICIQ-06 REGISTRATION &amp; RECEPTION, MIT FACULTY CLUB</td>
<td>E52</td>
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<td>50 Memorial Drive, MIT, Cambridge, MA 02139, USA</td>
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**SATURDAY, November 11**

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<tr>
<th>Time</th>
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<tr>
<td>8:30 - 9:00 AM</td>
<td>REGISTRATION AND CONTINENTAL BREAKFAST</td>
<td>E51-345</td>
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<td>9:00 - 9:20</td>
<td>CHAIRS’ WELCOME AND OPENING REMARKS</td>
<td>E51-345</td>
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<td></td>
<td>John Talburt, <em>University of Arkansas at Little Rock (UALR), USA</em></td>
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<td>Elizabeth Pierce, <em>UALR MSIQ Program Professor, USA</em></td>
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<td>Ning-Ning Wu, <em>UALR MSIQ Program Professor, USA</em></td>
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<td>Traci Campbell, <em>Axiom Corporation, USA</em></td>
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<td>9:20 - 10:00</td>
<td>Keynote: A Vision for IQ Education and Research at UALR</td>
<td>E51-345</td>
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<td>Mary Good, Dean, <em>Donaghey College of Information Science and Systems</em></td>
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<td>Engineering, UALR, USA</td>
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<td>10:00 - 10:15</td>
<td>Coffee Break</td>
<td>E51-335</td>
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<td>10:15 - 11:45</td>
<td>Session 1A INCORPORATING INFORMATION QUALITY INTO THE SYSTEM DEVELOPMENT METHODOLOGY</td>
<td>E51-335</td>
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<td>Chair: Mary Ann Robbert, Bentley College &amp; ICIQ-07 Program Chair</td>
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- **Data Quality & Agile Methods: A BT Perspective**
  - Neil Williams, *British Telecommunications, UK*
  - Wendy Ivins, *Cardiff University, UK*
  - Mikhaila Burgess, *Cardiff University, UK*

- **A Methodology for Information Quality Management in Self-Healing Web Services**
  - Cinzia Cappiello, *Politecnico di Milano, Italy*
  - Barbara Pernici, *Politecnico di Milano, Italy*

- **Evolving a Comprehensive Measure for System Quality**
  - Tor Guimaraes, *Tennessee Tech University, USA*
  - Curtis Armstrong, *Tennessee Tech University, USA*
  - Brian Jones, *Tennessee Tech University, USA*
Session 1B MEASURING INFORMATION QUALITY

Chair: Robert O’Hare, Verizon & ICIQ-07 Program Co-Chair

An Improved Method for Automatically Determining Webpage Cohesiveness for Quality Information Retrieval from the World Wide Web
Surya B Yadav, Texas Tech University, USA
Jeremy Bellah, Texas Tech University, USA

Including an Information Quality Index in Assessing ICT Citizen Support Services
Yasuhiro Tanaka, Waseda University, Japan
Akihisa Kodate, Tsuda College and Waseda University, Japan
Daiji Hario, Waseda University, Japan
Timothy Bolt, Waseda University, Japan

Why I Created BDQS
Brigitte Laboisse, Analyse Informatique des Données, France

Panel 1 ENTERPRISE ARCHITECTURE DEPLOYMENT

Moderator: Alan Alborn, President of Alborn & Associates, USA
Panelists:
Bryan Aucoin, Director of National Intelligence, USA
Beverly Hacker, Department of Treasury, USA
Yang Lee, Northeastern University, USA
Edwin Nassiff, EIS, Lockheed Martin Corp., USA

11:45 - 1:15 PM LUNCH & IQR JOURNAL UPDATE

Yang Lee, Northeastern University (Editor-in-Chief), USA
Stuart Madnick, MIT (Editor-in-Chief), USA
Elizabeth Pierce, UALR (Managing Editor), USA
Richard Wang, MIT (Acting Publisher), USA

Planned Special Issues and Guest Editors

✓ Data Quality in Databases
  Felix Naumann, GermanyHasso-Plattner-Institute, Potsdam, Germany
  Louqa Raschid, U. Of Maryland, College Park, USA

✓ Information Quality Research Frontiers
  Diane Strong, W.P.I., USA

✓ Entity Resolution & Information Quality
  John Talburt, University of Arkansas at Little Rock, USA

✓ Enterprise Architecture Deployment
  Richard Wang, Massachusetts Institute of Technology, USA
  Giri Kumar Tayi, University at Albany, SUNY, USA

✓ Knowledge Strategy & Information Quality
  Michael Zack, Northeastern University, USA
  Yolande E. Chan, Queen’s University, Canada

✓ Social Aspects of Information Quality
  Eileen Trauth, Penn. State University, College Park, USA
1:15 - 2:30 PM  Session 2A  ENHANCING INFORMATION QUALITY IN LOGISTICS, SUPPLY CHAIN, AND E-COMMERCE SYSTEMS
Chair: Deborah Henderson, DAMA Foundation President & CapGemini at General Motors Detroit

Open Technical Dictionaries – A Breakthrough in Electronic Commerce Data Quality and the Transfer of Information
Emily Grantner, Defense Logistics Information Service, DLA, USA

Determining the Cost and Effectiveness of Enhancing Data in the U.S. Defense Logistics Agency Supply Chain
L. Robert Pokorny, XSB, Inc., USA

Information Quality Measurement: Considerations when Defining Measures Supporting MPC Decision Making
Mattias Gustavsson, Chalmers University of Technology, Sweden

1:15 - 2:30  Session 2B  ADVANCES IN ENTITY RESOLUTION AND INFORMATION QUALITY RESEARCH
Chair: Edwin F. Nassiff & John P. Slone, Lockheed Martin Corporation

Significance Test for the Talburt-Wang Similarity Index
Ray R. Hashemi, Armstrong Atlantic State University, USA
John R. Talburt, Axiom Chair of Information Quality, UALR, USA

An Information Theoretic Approach to Information Quality Metric
Ningning Wu, University of Arkansas at Little Rock, USA
Elizabeth Pierce, University of Arkansas at Little Rock, USA
John R. Talburt, University of Arkansas at Little Rock, USA

Research into Information Quality: A Study of the State of the Art in IQ and Its Consolidation
Luis Francisco Ramos Lima, Universidade Federal do Rio Grande do Sul, Brazil
Antonio Carlos Gastañ Maçada, Universidade Federal do Rio Grande do Sul, Brazil
Lilia Maria Vargas, Universidade Federal do Rio Grande do Sul, Brazil

1:15 - 2:30  Panel 2  MILESTONES ALONG THE ROAD TO DATA QUALITY: AN UPDATE FROM THE FRONT LINES
Moderator: Pamela Neely, Rochester Institute of Technology, USA
Panelists:
Bruce N. Davidson, Cedars-Sinai Health System, USA
Alein T. Chun, Cedars-Sinai Health System, USA
Monica Jones, The Environment Protection Agency (EPA), USA

2:30 – 2:45  Coffee Break
Session 3A INVESTIGATING INFORMATION QUALITY ISSUES WITHIN THE FINANCIAL ARENA
Chair: Peter Kaomea, CIO, Sullivan & Cromwell, LLP

Disinformation Methods of Financial Crime via Email
Panagiotis Petratos, California State University, Stanislaus, USA
Sofia Gleni, University of Bedfordshire, UK

Social Information Quality Management
Miguel Feldens, GoDigital, Brazil
João Lisboa, GoDigital, Brazil
Nazaré Bretas, Ministry of Planning, Budget, and Management of Brazil
Reinaldo Barroso, National Institute of Social Security of Brazil
Suelia Pereira, National Institute of Social Security of Brazil
Eduardo Basso, Ministry of Social Security of Brazil

Monitoring Data Quality for Very High Volume Transaction Systems
Joseph Bugajski, Visa International, USA
Robert L. Grossman, Open Data Group, USA
Eric Sumner, Open Data Group, USA
Steve Vejcik, Open Data Group, USA

Session 3B USING MODELING TO IMPROVE INFORMATION QUALITY: THREE EXAMPLES
Chair: Craig Fisher, Marist College

Policy Making for Coopetitive Information Systems
Mario Mezzanzanica, University of Milan Bicocca, Italy
Mirko Cesarini, University of Milan Bicocca, Italy

The IASDO Model for Information Manufacturing Systems Modeling
Thanh Thoa Pham Thi, Dublin City University, Ireland
Markus Helfert, Dublin City University, Ireland
Howard Duncan, Dublin City University, Ireland

Modeling Operational Risk in Data Quality
Anton Raneses, Oklahoma State, USA
Camille Deyong, Oklahoma State, USA
Neil Glasstein, U.S. Navy, USA

Panel 3 THE ROAD TO DATA QUALITY AT AERA ENERGY LLC
Moderator: C. Lwanga Yonke, Aera Energy LLC
Panelists:
C. Lwanga Yonke, Aera Energy LLC, USA
Achieving Data Quality: Aera Energy LLC’s Journey
Bob M. Palermo, Aera Energy LLC, USA
Strategic DQ Improvement through Enterprise Architecture
Bob L. Bates, Aera Energy LLC, USA
Leveraging Information Governance and DQ Monitoring
4:15 – 4:30 PM  Coffee Break

4:30 - 6:00 PM  Session 4A  ESTABLISHING INFORMATION QUALITY STRATEGIES AND POLICIES WITHIN AN ORGANIZATION
Chair: Jesse Jacobson, MIT Information Quality Program

Information Quality: A Business-Led Approach
Thierry Delez, Tetra Pak International SA, Switzerland
Didier P. Hostettler, Tetra Pak International SA, Switzerland

IQ Strategy: Assessing the Relationship Between Information Quality and Organizational Outcomes
John P. Slone, Lockheed Martin Corporation, USA

Proactive IQ Discipline
Thomas McLaughlin, A Turnaround Company, USA

4:30 – 6:00 PM  Session 4B  ADDRESSING INFORMATION QUALITY ISSUES IN MASTER DATA MANAGEMENT
Chair: Irit Askira Gelman, University of Arizona, Tucson, USA

Master Data Management: A Framework and Approach for Implementation
Mike Shin, Knightsbridge Solutions LLC, USA

Hewlett Packard Customer Master Program – Data Quality Audit of 6 Functional Masters
Delphine Clément, Hewlett-Packard Company, France
Brigitte Laboisse, Analyse Informatique des Données, France

An Ontology-Based Approach for Data Cleaning
Paulo Oliveira, University of Minho and GECAD/ISEP-IPP – Knowledge Engineering and Decision Support Group Institute of Engineering – Polytechnic of Porto, Portugal
Maria de Fátima Rodrigues, GECAD/ISEP-IPP – Knowledge Engineering and Decision Support Group Institute of Engineering – Polytechnic of Porto, Portugal
Pedro Rangel Henriques, University of Minho, Portugal

4:30 – 6:00 PM  Panel 4  DATA QUALITY IN A LARGE ANALYTIC HEALTH CARE DATA WAREHOUSE: THE EVOLUTION OF GALAXY
Moderator: Laura Sebastian-Coleman, Ingenix/UnitedHealth Group
Panelists:
Nancy Grimaldi, Ingenix/UnitedHealth Group, USA
Paul Morrison, Ingenix/UnitedHealth Group, USA
Ralph Tartaglione, Ingenix/UnitedHealth Group, USA
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<tr>
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<td>Registration and Continental Breakfast</td>
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<td>9:00 - 10:30 AM</td>
<td><em>IMPLEMENTING IQ IMPROVEMENT IN THE HEALTH AND INSURANCE INDUSTRIES</em></td>
<td>Laura Sebastian-Coleman, Ingenix/UnitedHealth Group</td>
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<td><strong>Chair:</strong> Laura Sebastian-Coleman, <strong>Ingenix/UnitedHealth Group</strong></td>
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<td><strong>Data and Information Quality at the Canadian Institute for Health Information</strong></td>
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<td>Ann Chapman, <em>Canadian Institute for Health Information, Canada</em></td>
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<td>Heather Richards, <em>Canadian Institute for Health Information, Canada</em></td>
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<td>Steven Hawken, <em>Canadian Institute for Health Information, Canada</em></td>
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<td><strong>Delivering Data On Time: The Assurant Health Case</strong></td>
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<td>Pravin Nadkami, <em>Assurant, Inc., USA</em></td>
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<td><strong>Re-abstraction Study of Discharges from Ontario Case Costing Hospitals</strong></td>
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<td>Heather Richards, Ann Chapman, Caroline Pelletier, Steven Hawken, <em>Canadian Institute for Health Information, Canada</em></td>
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<td>9:00 - 10:30 AM</td>
<td><em>DEALING WITH INFORMATION QUALITY TRADEOFFS</em></td>
<td>Markus Helfert, <em>Dublin City University</em></td>
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<td><strong>An Analytical Framework to Analyze Dependencies Among Data Quality Dimensions</strong></td>
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<td>Fabrizio De Amicis, <em>BSI Bank, Switzerland</em></td>
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<td>Daniele Barone, <em>Università di Milano “Bicocca”, Italy</em></td>
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<td>Carlo Batini, <em>Università di Milano “Bicocca”, Italy</em></td>
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<td><strong>“Not All Data Are Created Equal”: Inequality in Utility and Implications for Data Management</strong></td>
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<td>Adir Even, <em>Boston University, USA</em></td>
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<td>G. Shankaranarayanan, <em>Boston University, USA</em></td>
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<td><strong>Redefining Information Quality and its Measuring: The Operations Management Approach</strong></td>
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<td>Zbigniew J. Gackowski, <em>California State University Stanislaus, USA</em></td>
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<td>9:00 - 10:30 AM</td>
<td><em>IMPROVING INFORMATION QUALITY: EXAMPLES FROM INDUSTRY AND GOVERNMENT</em></td>
<td>Joseph D Cassel, <em>EDS Client Delivery Executive</em></td>
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<td><strong>Measuring the Impact of Transactional Data Quality on Operational Risk and Capital Adequacy for Global Investment Banks</strong></td>
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<td>Chito Jovellanos, <em>Forward Look, Inc., USA</em></td>
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<td><strong>Assuring Data Quality for ERP Implementation: Part 2 – Comprehending the Evolving Picture</strong></td>
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<td>Peter Aiken, <em>Department of Information Systems/VCU, USA</em></td>
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<td>Chris Metz, Anthony Berta, Bill Finkel, Tracy Skalak</td>
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<td><em>Defense Logistics Agency, USA</em></td>
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<td>Bob Stanley, Susan Carter, Graham Blevins, Johns Sells, John McKeon, Debi Crockett, David Rafner</td>
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<td><em>Data Blueprint, USA</em></td>
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<td><strong>Deploying a Common Data Quality Architecture</strong></td>
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<td>Nigel Totterdell, <em>Data Diagnostic Services, UK</em></td>
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10:30 - 10:45 AM  Coffee Break

10:45-12:00 PM  Session 6A  ASSESSING THE IMPACT OF INFORMATION QUALITY ON DECISION MAKING  E51-335
Chair: Andy Koronios, U. of South Australia

A Framework to Assess Decision Quality Using Information Quality Dimensions
Mouzhi Ge, Dublin City University, Ireland
Markus Helfert, Dublin City University, Ireland

Data Quality in Engineering Asset Management Organizations – Current Picture in Australia
Jing Goa, University of South Australia, Australia
Andy Koronios, University of South Australia, Australia
Shien Lin, University of South Australia, Australia

The Effects of Data Quality on Machine Learning Algorithms
Valerie Sessions, University of South Carolina, USA
Marco Valtorta, University of South Carolina, USA

10:45-12:00 PM  Session 6B  MANAGING INFORMATION QUALITY: THE CHALLENGE OF INTEGRATED ENTERPRISE SYSTEMS  E51-325
Chair: Diane Strong, W.P.I. & Yang Lee, Northeastern University

Towards a Capability Maturity Model for Information Quality Management: A TDQM Approach
Saša Baškarada, University of South Australia, Australia
Andy Koronios, University of South Australia, Australia
Jing Gao, University of South Australia, Australia

Quality by Design: HUD’s Use of Metadata to Manage Information Quality
Beverly Hacker, U.S. Department of Housing and Urban Development (HUD), USA
Adel Harris, Cairo Corporation, USA

Development-Process-Flow Templates to Advance a Functional Presentation of the DAMA Curriculum Framework to Ensure Information Quality by Achieving CMMI Level 3 in Enterprise Projects
Herbert E. Longenecker, Jr, University of South Alabama, USA
Deborah Henderson, DAMA International and DAMA Foundation, Canada
Eva Smith, DAMA International Foundation, USA
Patricia Cupoli, DAMA International Foundation, USA
David Yarbrough, Northrop Grumman, USA
Anne Marie Smith, DAMA International Foundation, USA
Mark Mosley, DAMA International Foundation, USA

END OF ICIQ-06 CONFERENCE