The 2000 MIT Conference on Information Quality

Conference Program

October 20, Friday

Registration and Reception at MIT Faculty Club			
October 21, Saturday			
Registration and Continental BreakfastE51-345			
Chairs' Welcome and Opening Remarks			
Keynote SpeechE51-345			
RES IPSA LOQUITOR Keynote speaker: Eric Lieberman, President, Firstlogic			
o Coffee Break			
5 Parallel Paper Session 1A: Developing Information Product MapsE51-372			
Session Chair: James Funk, S. C. Johnson & Univ. of Wisconsin-Parkside			
IP-MAP: Representing the Manufacture of an Information Product1 (Research Paper) G. Shankaranarayanan, Boston University Richard Y. Wang, Boston University Mostapha Ziad, Suffolk University			
 Developing a Data Production Map to Identify Data Quality Problems (Practice-Oriented Paper) Bruce Davidson, Cedars Sinai Medical Center Alein Chun, Cedars Sinai Medical Center Developing Data Product Maps for Total Data Quality Management: The Case of Georgia Vital Records			

28
36
45
372
54
70
76

1:30 - 3:00	Parallel Paper Session 2B: Measurement of Information QualityE51-335
	Session Chair: Leo Pipino, University of Massachusetts, Lowell
	Conceptualizing Information Quality: A Review of Information Quality Frameworks from the Last Ten Years
	(Research in Progress) Martin J. Eppler, Media and Communications Management Institute, Switzerland
	Dörte Wittig, Media and Communications Management Institute, Switzerland
	The Assessment of Website Quality97 (Research in Progress)
	David Kopcso, Babson College Leo Pipino, University of Massachusetts, Lowell William Rybolt, Babson College
	An Approach for Data Quality Measurement in Data Warehousing109 (Research in Progress)
	Markus Helfert, University of St. Gallen, Switzerland Renate Radon, Epicur GmbH, Germany
	A Conceptual Framework for Developing Quality Measures for Information Systems
	(Research in Progress) A. Dedeke, Lee University
3:00 - 3:30	Coffee Break
3:30 - 5:00	Parallel Paper Session 3A: Assessing Information Quality
	Session Chair: Burton Cutting, Merrill Lynch
	Using Time Series to Assess Data Quality in Telecommunications Data Warehouses
	(Practice-Oriented Paper) Renato Busatto, Mobilix Telecommunications, Denmark
	Quality Evaluation of Electronic Communication Fora with evalYOUate137
	(Research Paper) Marc Rittberger, University of Konstanz

	Assessment Methods for Information Quality Criteria148 (Research Paper)
	Felix Naumann, Humboldt-Universität zu Berlin, Germany
	Claudia Rolker, Forschungszentrum Informatik (FZI), Germany
3:30 - 5:00	Parallel Paper Session 3B: Information Quality and Decision Support E51-335
	Session Chair: Shobha Chengalur-Smith, State University of New York at Albany
	Measuring Information Continuity in Evolving Decision Support
	Systems
	(Research Paper) Adjo Amekudzi, Georgia Institute of Technology
	Olayele Adelakun, DePaul University
	The Quality of Temporal Information173
	(Practice-Oriented Paper)
	Eric Hughes, The MITRE Corporation
	Can Information Engineering Enhance Information Quality for
	Effective Decision-Making in Textiles?
	(Research Paper)
	Yatin Karpe, North Carolina State University
	Neil Cahill, Institute of Textile Technology George Hodge, North Carolina State University
	William Oxenham, North Carolina State University
October 22,	Sunday
8:00 - 9:00	Registration and Continental Breakfast E51-345
9:00 - 10:30	Parallel Paper Session 4A: Improving Information Quality
	Session Chair: Tamraparni Dasu, AT&T Labs - Research
	Hunting Down Glitches in Massive Time Series Data190
	(Research Paper)
	Tamraparni Dasu, AT&T Labs - Research
	Theodore Johnson, AT&T Labs - Research
	Eleftherios Koutsofios, AT&T Labs - Research
	Data Cleansing: Beyond Integrity Analysis200 (Research Paper)
	Jonathan I. Maletic, The University of Memphis
	Andrian Marcus, The University of Memphis
	Data Certification210
	(Research in Progress)

	Ion Ivan, Academy of Economic Studies, Bucharest Paul Pocatilu, Academy of Economic Studies, Bucharest Teodor Mihai, Storm Technology Ltd, Galway, Ireland Costel Stanca , Constantza Maritime University
	(<i>CANCELLED</i>) The Interactions Between Improving Access to Data and Improving Processes: A Case in State Government
	(Research in Progress) Bruce Kissinger, Orion Internet Systems Group S. Thomas Foster, Jr., Penn State University
9:00 - 10:30	Parallel Paper Session 4B: Information Quality Management
	Session Chair: Elizabeth Pierce, Indiana University of Pennsylvania
	The Quality of Online Registration Information215 (Research Paper) Andreas Neus, IBM, Germany
	(<i>CANCELLED</i>) A Sociological Framework for Information Quality in Virtual Knowledge Communities
	Has Quality Management Any Effect on Quality? - Analysis of Quality Management by a Non-linear Model242 (Research Paper) Joachim H. Kreutzberg, University of Zurich, Switzerland
10:30-11:00	Coffee Break
11:00-12:30	Parallel Paper Session 5A: Data Warehousing and Data Mining
	Session Chair: G. Shankaranarayanan (Shankar), Boston University
	The Enterprise Data Warehouse - From Data to Decision Making258 (Research Paper) Richard McCarthy, Central Connecticut State University George Claffey, Central Connecticut State University
	Ensuring Data Quality for Data Mining - A Case Study264 (Practice-Oriented Paper) Varun Madhok, IBM Canada Ltd.
	Generalizing Association Rules to Ordinal Rules268 (Research Paper) Sylvie Guillaume, Ecole Polytechnique de l'université de Nantes Ali Khenchaf, Ecole Polytechnique de l'université de Nantes

11:00-12:30	Parallel Paper Session 5B: Electronic Commerce and NetworkingE51-335
	Session Chair Raïssa Katz-Haas, Ingenix
	Quality and Process Standards for Electronic Commerce283 (Research Paper) Joseph Sarkis and R.P. Sundarraj, Clark University
	Information Quality, the Information Infrastructure, and Emergent E- Commerce in Russia 2000
	Managing Networks Containing Dumb Devices with Intelligent Agents
	A Soft System Perspective on Information Quality (IQ) in Electronic Commerce

12:30 End of IQ-2000 Conference