MAIN TRACK RESEARCH PAPERS

Session 1 – IQ and Organizations

— Riikka Vilminko-Heikkinen, Samuli Pekkola, Organizational Issues in Establishing Master Data Management Function……………………………………………………….. 1

— Elizabeth Pierce, C. Lwanga Yonke, Piyush Malik, Chitra Kagathur Nargaraj, The State of Information and Data Quality Efforts in Today’s Organizations……………………… 14

— Angélica Caro, Alfonso Rodriguez, Cinzia Cappiello, Ismael Caballero, Designing Business Processes Able to Satisfy Data Quality Requirements…………………………………… 31

Session 2 – IQ and Knowledge

— Meredith Nahm, Knowledge Acquisition from and Semantic Variability in Schizophrenia Clinical Trial Data……………………………………………………………………… 46

— Umair ul Hassan, Sean O’Riain, Edward Curry, Towards Expertise Modelling for Routing Data Cleaning Tasks within a Community of Knowledge Workers……………. 58

— Sarah Ayad, Samira Si-said Cherfi, Domain Knowledge Based Quality for Business Process Models………………………………………………………………………………. 70

Session 3 – Information Accuracy

— Sami Laine, APC-SIMULATOR: Demonstrating the Effects of Technical and Semantic Errors in the Accuracy of Hospital Reporting……………………………………….. 85

— Alisa Wechsler, Adir Even, Assessing Accuracy Degradation over Time with a Markov-Chain Model……………………………………………………………………. 99

— Meredith Nahm, Joseph Bonner, Philip L. Reed, Kit Howard, Determinants of Accuracy in the Context of Clinical Study Data……………………………………….. 111

Parallel Sessions: Session 4 – IQ Improvement

— Philip Woodall, Alexander Borek, Ajith Kumar Parlikad, Customized Data Quality Improvement……………………………………………………………………. 126

— Hendrik Decker, Checking and Repairing the Quality of Information in Databases by Inconsistency Metrics…………………………………………………………… 139

— William Rybolt, Leo Pipino, Introducing Data and Information Quality Principles in Today’s College Curriculum via an Introductory Probability and Statistics Course…… 151

— Mario Mezzanzanica, Mirko Cesarini, Fabio Mercorio, Roberto Boselli, Towards the Use of Model Checking for Performing Data Consistency Evaluation and Cleansing…… 163
Parallel Sessions: Session 5 – IQ Dimensions

— Phyllis Illari, Luciano Floridi, IQ: Purpose and Dimensions ........................................... 178

— Philip Woodall, Andy Koronios, Jing Gao, Ajith Kumar Parlikad, Elaine George, An Investigation into Data Quality Root Cause Analysis ............................................................. 193


Parallel Sessions: Session 6 – Measurement of IQ

— Michael Feldman, Adir Even, Yisrael Parmet, The Effect of Missing Data on Classification Quality ..................................................................................................................................... 229

— Abrar Haider, Snag Hyun Lee, Information Quality Assessment in Korean Asset Managing Organization – Using a Product Perspective ........................................................................... N/A

— Yonelbys Iznaga, César Guerra, Ismael Caballero, CALYDAT: A Methodology for Evaluating Data Quality Dimensions based on Data Profiling Techniques ........................................... 260

— Fabian Panse, Wolfram Wingerath, Steffen Friedrich, Norbert Ritter, Key-based Blocking of Duplicates in Entity-Independent Probabilistic Data .......................................................... 278

Parallel Sessions: Session 7 – IQ and Social Media

— Yasuhiro Tanaka, Akihisa Kodate, Research on the Role of Social Media and Motivation to Use in the Local Community – Index of Information Quality and Private Space Function ........................................................................................................... 297

— Ganesan Shankaranarayanan, Bala Iyer, Donna Stoddard, Quality of Social Media Data and Implications of Social Media for Data Quality ........................................................................... 311

— Olivier Blattmann, Patrick Kaltenrieder, Patrizia Haupt, Thomas Myrach, Measuring Information Quality on the Internet – A User Perspective ........................................................... 326