

Focus on Information Value and Strategy

The 22nd MIT International Conference on Information Quality

October 6-7, 2017

Location: University of Arkansas at Little Rock
Donaghey Engineering and Information Technology Building (EIT)
2801 S. University Ave, Little Rock, AR 72204

Friday, October 6, 2017

7:30am - 8:30am	CONTINENTAL BREAKFAST & REGISTRATION	EIT Lobby
8:30am - 10:00am Plenary Session 1	<p>Welcome (8:30 to 8:45 am)</p> <ul style="list-style-type: none"> Lawrence Whitman, Dean, Donaghey College of Engineering and Information Technology Sponsor Greetings: 1 minute each <p>Opening Remarks (8:45 am to 9:00 am)</p> <p>Richard Wang, Executive Director, UA Little Rock Institute for Chief Data Officers, and Chief Data Officer for the State of Arkansas</p> <p>Opening Keynote (9:00 to 10:00 am)</p> <p>Pieter De Leenheer, Co-Founder and VP, Research and Education, Collibra Corporation "Data Governance and Data Capitalization in the Big Data Era"</p>	EIT Auditorium
10:00am - 10:15am	COFFEE BREAK	EIT 2nd Floor
10:15am-11:45am Breakout Sessions 1A	<p>Information Governance in an Academic Medical Center: A Case Study <i>Thomas Powell, University of Arkansas for Medical Sciences, USA;</i> <i>Melody Penning, University of Arkansas for Medical Sciences, USA;</i> <i>Meredith N. Zozus, University of Arkansas for Medical Sciences, USA</i></p> <p>Towards the LSTM-based Approach for Detection of Temporally Anomalous Data in Medical Datasets <i>Michael Bowie, Oak Ridge National Laboratory, USA;</i> <i>Edmon Begoli, Oak Ridge National Laboratory, USA;</i> <i>Byung Park, Oak Ridge National Laboratory, USA;</i> <i>Jeevith Bopaiah, Oak Ridge National Laboratory, USA</i></p>	EIT 220

<p>10:15am-11:45am</p> <p>Breakout Sessions 1B</p>	<p>Relationship-based Entity Resolution for Organization Alias Mining <i>Jianjun Cao, Nanjing Telecommunication Technology Institute, China;</i> <i>Yuling Shang, PLA University of Science and Technology, China;</i> <i>Qibin Zheng, PLA University of Science and Technology, China;</i> <i>Xing Zhou, PLA University of Science and Technology, China;</i> <i>Yi Liu, PLA University of Science and Technology, China;</i> <i>Qin Feng, PLA University of Science and Technology, China;</i></p> <p>Stable Entity Resolution for High-Dimensional Data <i>Yi Liu, PLA University of Science and Technology;</i> <i>Xingchun Diao, PLA University of Science and Technology, China;</i> <i>Jianjun Cao, Nanjing Telecommunication Technology Inst, China;</i> <i>Nianfeng Weng, Nanjing Telecommunication Technology Inst, China;</i> <i>Lei Zhang, PLA University of Science and Technology, China</i></p>	<p>EIT 221</p>
<p>10:15am-11:45am</p> <p>Breakout Sessions 1C</p>	<p>Rule Templates and Linked Knowledge Sources for Rule-based Information Quality Assessment in Healthcare <i>Zhan Wang, University of Arkansas at Little Rock, USA;</i> <i>Meredith Zozus, University of Arkansas for Medical Sciences, USA</i></p> <p>Assessing Data Availability for Answering Bedside Questions in the Critical Care Settings <i>Abdul Ghani Mohammed, University of Arkansas at Little Rock, USA;</i> <i>Meredith N. Zozus, University of Arkansas for Medical Sciences, USA;</i> <i>Anne Sofie Andreasen, Herket University Hospital, Denmark;</i> <i>Melody L. Penning, University of Arkansas for Medical Sciences, USA</i></p>	<p>EIT 224</p>
<p>10:15am-11:45am</p> <p>Breakout Sessions 1D</p>	<p>IQ International Sessions</p> <p>The Future of Data Governance: Data Governance in the Data Lake <i>Michael Davis, Data Governance Leader, Voya Financial</i></p> <p>Using Waivers to Drive Governance <i>Neal Fishman, Program Director, Data Based Pathology, IBM</i></p>	<p>EIT Auditorium</p>
<p>11:45am - 1:00pm</p>	<p style="text-align: center;">LUNCH</p>	<p>EIT 2nd Floor</p>
<p>1:00pm -2:30pm</p> <p>Breakout Session 2A</p>	<p>Improving Data Quality in the Outpatient Setting - A Case Study of Provider Template Evaluation and Optimization in the Cancer Service Line <i>Anne Morse, University of Arkansas for Medical Sciences, USA</i></p> <p>Assessing the Quality of Electronic Health Record Data and Patient Self-Reported Data <i>Meredith Zozus, University of Arkansas for Medical Sciences, USA</i></p>	<p>EIT 220</p>

1:00pm -2:30pm Breakout Session 2B	Track 2 (EIT 221) The Challenges of, and Why You Should Reconsider Using, Truth Sets for Optimizing Entity Resolution: A Case Study <i>Pei Wang, University of Arkansas for Medical Sciences, USA;</i> <i>Daniel L. Pullen, Black Oak Analytics, Inc., USA;</i> <i>Maryam Y. Garza, University of Arkansas for Medical Sciences, USA;</i> <i>Meredith N. Zozus, University of Arkansas for Medical Sciences, USA</i> Inferred Error Rates for Entity Resolution in Healthcare <i>Melody Penning, University of Arkansas for Medical Sciences, USA</i>	EIT 221
1:00pm -2:30pm Breakout Session 2C	Towards a Taxonomy for Coordinating Quality of Master Data in Product Information Sharing <i>Thomas Schäffer, Hochschule Heilbronn, TU Ilmenau, Germany;</i> <i>Dirk Stelzer, Hochschule Heilbronn, TU Ilmenau, Germany</i> Topic Modelling in Information Quality Research – ICIQ 1996 to ICIQ 2016 <i>Jing Gao, University of South Australia;</i> <i>Philip Woodall, Cambridge University, United Kingdom</i>	EIT 224
1:00pm -2:30pm Breakout Session 2D	IQ International Sessions Effective Testing Process and Tools for Data Migration / Integration / DWH ETL Projects <i>Wayne Yaddow, Data Quality Analyst, Datagaps.com</i>	EIT Auditorium
2:30pm - 2:45pm	COFFEE BREAK	EIT 2nd Floor
2:45pm – 4:15pm Breakout Session 3A	Towards a Visual Approach to Aggregate Data Quality Measurements <i>Tom Haegemans, KU Leuven, Belgium;</i> <i>Michael Reusens, KU Leuven, Belgium;</i> <i>Bart Baesens, KU Leuven, Belgium;</i> <i>Wilfried Lemahieu, KU Leuven, Belgium;</i> <i>Monique Snoeck, KU Leuven, Belgium</i> Data Quality Improvement Through OODA Methodology <i>Arun Sundararaman, Accenture Technology, India;</i> <i>Sreekrishnan Venky, Accenture Technology, India;</i>	EIT 220
2:45pm – 4:15pm Breakout Session 3B	A Methodology for Accuracy Assessment of Information Quality in Process Production System <i>Zhiyong Gao, Xi'an Jiaotong University;</i> <i>Jianmin Gao, Xi'an Jiaotong University</i> <i>Rongxi Wang, Xi'an Jiaotong University</i> <i>Yanjie Liang, Xi'an Jiaotong University</i> <i>Hongquan Jiang, Xi'an Jiaotong University</i> Information Transfer-Based Root Cause Tracing for Information Quality Problems of Complex Electromechanical Systems in Process Industry <i>Rongxi Wang, Xi'an Jiaotong University;</i> <i>Jianmin Gao, Xi'an Jiaotong University;</i> <i>Yanjie Liang, Xi'an Jiaotong University;</i> <i>Hongquan Jiang, Xi'an Jiaotong University;</i>	EIT 221

2:45pm – 4:15pm	<p>An Evaluation of the Conformed Dimensions of Data Quality in Application to an Existing Information Quality Privacy-Trust Research Framework <i>Dan Myers, DQ Matters, USA</i> <i>Brian Blake, Acxiom Corporation, USA</i></p> <p>The Impact of Facebook’s News Fact-Checking on Information Quality (IQ) Shared on Social Media <i>Ahmed Abu Halimeh, American University of the Middle East;</i> <i>Pardis Pourghomi, The American University of the Middle East;</i> <i>Fadi Safieddine, The American University of the Middle East</i></p>	EIT 224
2:45pm – 4:15pm	<p>IQ International Sessions</p> <p>Approach to Developing an Enterprise Information and Data Strategy <i>David Vaz, Data Governance and Stewardship, National Australia Bank Limited</i></p> <p>Roadmap to Understanding What Data You Need to Manage: A Prerequisite for Data Strategy and Data Governance <i>Pamela Colbert, Clearwater Consulting</i></p>	EIT Auditorium
4:15pm - 5:30pm	<p>NETWORKING AND EXHIBITS ALL STUDENTS INVITED</p>	
5:30pm - 7:00pm	<p>CONFERENCE RECEPTION Sponsored by PiLog Group</p>	Bailey Alumni Center

Saturday, October 7, 2017

7:30am – 8:30am	<p>CONTINENTAL BREAKFAST & REGISTRATION</p>	EIT Lobby
8:30am - 9:45am	<p>Opening Remarks Elizabeth Pierce, Chair of the Department of Computer and Information Science, University of Arkansas at Little Rock</p> <p>Opening Keynote Doug Laney, VP & Distinguished Analyst, Gartner “Infonomics”</p>	EIT Auditorium
9:45am - 10:00am	<p>COFFEE BREAK</p>	EIT 2 nd Floor
10:00am – 11:30am	<p>A User-Centered Model for Assessing and Improving Open Government Data Quality <i>Meryam Belhiah, Mohammed V University in Rabat;</i> <i>Bouchaïb Bounabat, Mohammed V University of Rabat</i></p> <p>Automated Data Quality Monitoring <i>Lisa Ehrlinger, Johannes Kepler University Linz, Austria</i> <i>Wolfram Wöß, Software Competence Center Hagenberg, Austria</i></p>	EIT 220

<p>10:00am – 11:30am</p> <p>Breakout Session 5B</p>	<p>ISO 8000-61 DATA QUALITY MANAGEMENT STANDARD AND COMPARISON WITH TDQM <i>Abdul Mohammed, University of Arkansas at Little Rock, USA; Aziz Eram, University of Arkansas at Little Rock, USA; John R. Talburt, University of Arkansas at Little Rock, USA</i></p> <p>Comparing the Effectiveness of Deterministic Matching with Probabilistic Matching for Entity Resolution of Student Enrollment Records <i>Aziz Eram, University of Arkansas at Little Rock, USA; Abdul Mohammed, University of Arkansas at Little Rock, USA; Vishnu Pillai, Arkansas Department of Education, USA; John Talburt, University of Arkansas at Little Rock, USA</i></p>	<p>EIT 221</p>
<p>10:00am – 11:30am</p> <p>Breakout Session 5C</p>	<p>Impact of Appointing a Chief Data Officer (CDO) on Firm Performance <i>Yu Nie, University of Arkansas at Little Rock, USA; Hongyun Zhang, Xi'an Jiaotong University, China; Richard Wang, University of Arkansas at Little Rock, USA; John R. Talburt, University of Arkansas at Little Rock, USA</i></p> <p>Towards a Methodology of Data Management Metrics <i>Mario Cervi, Assesso Corporation, Brazil Flávio de Almeida Pires, Assesso Corporation, Brazil Li-Hsin Chang, University of Arkansas at Little Rock, USA Lisa Novier, USAA Corporation, USA Richard Wang, University of Arkansas at Little Rock, USA</i></p>	<p>EIT 224</p>
<p>10:00am – 11:30am</p> <p>Breakout Session 5D</p>	<p>IQ International Sessions PANEL <i>Michael Davis, Data Governance Leader, Voya Financial Melody Penning, Assistant Professor, University of Arkansas for Medical Sciences, USA David Vaz, Data Governance and Stewardship, National Australia Bank Limited Moderator: C. Lwanga Yonke, IQ International</i></p>	<p>EIT Auditorium</p>
<p style="text-align: center;">End of ICIQ 2017</p>		