

# The 21<sup>st</sup> International Conference on Information Quality

**Location:** Escuela Superior de Informática  
 Paseo de la Universidad 4  
 13071 Ciudad Real (Spain)  
 @ICIQ2016

## Monday – June 20, 2016

17:00 - 19:00	<b>Open Registration Desk</b>	Hall of ESI
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## Tuesday – Tutorial Day - June 21, 2016

08:30 - 09:00	<b>Morning Coffee &amp; Registration for Tutorial and ICIQ 2016</b>	
09:00 - 10:45	<b>Tutorial 1</b>  "Getting in Front of Data Quality" by <b>Tom Redman</b>	Salón de Grados <i>Support: Jorge Merino</i>
10:45 - 11:15	Morning Break	Patio
11:15 - 13:00	<b>Tutorial 2</b>  "Data Governance" by <b>Gwen Thomas</b>	Salón de Grados <i>Support: Ana G. Carretero</i>
13:00 - 14:30	Lunch	Cafetería de Magisterio
14:30 - 16:00	<b>Tutorial 3</b>  "ISO 8000" by <b>Salomon de Jager</b>	Salón de Grados <i>Support: Fernando Gualo</i>
16:00 - 16:30	Evening Break	Patio
16:30 - 18:00	<b>Tutorial 4</b>  "Master Data for Big Data" by <b>John Talburt</b>	Salón de Grados <i>Support: Bibiano Rivas</i>
20:30 - 23:00	Tapas Tour	Ciudad Real

<b>Wednesday – ICIQ (1/2) - June 22, 2016</b>		
08:30 - 09:00	Morning Coffee & Registration for Tutorial and ICIQ 2016	<b>Hall of ESI</b>
09:00 - 09:30 <b>Session 0</b>	<b>Welcome (09:00 to 09:30 am)</b> <ul style="list-style-type: none"> <li>Representative of UCLM</li> <li>Prof. Eduardo Fernández, Dean of ESI</li> <li>Ismael Caballero, Chair of ICIQ 2016</li> </ul>	Salón de Actos
09:30 - 10:30 <b>Session 1</b>	<b>Opening Keynote Speech (09:30 to 10:30)</b> <ul style="list-style-type: none"> <li>Dr. Tim King, Babcock International, "Data Governance with ISO 8000"</li> </ul>	Salón de Actos
10:30 - 11:00	Morning Break	Patio
11:00 - 13:00 <b>Session 2</b>	<b>Corporate and Organizational Strategies for Information Quality</b> <b>Sala Polivalente</b> <i>Chair – Prof. Cinzia Cappiello</i> <i>Support – Fernando Gualo</i> <ul style="list-style-type: none"> <li>Paper 1. <i>Designing Information Governance with a Focus on Competence Management in a Knowledge-Intensive Project Organization.</i> Erkka Niemi, Sami Laine.</li> <li>Paper 2. <i>Big Data Quality - Towards an Explanation Model.</i> Markus Helfert, Mouzhi Ge</li> <li>Paper 3. <i>Assessment of information-driven decision-making in the SME.</i> Xileidys Parra, Xavier Tort-Martorell</li> <li>Paper 4. <i>The Role of Data Quality in Business Intelligence – An empirical study in German medium-sized and large companies.</i> Karin Hartl, Olaf Jacob</li> </ul>	<b>Methods, Concepts, and Tools for Information Quality (1/3)</b> <b>Salón de Grados</b> <i>Chair – Prof. Jing Gao</i> <i>Support – Ana G. Carretero</i> <ul style="list-style-type: none"> <li>Paper 11. <i>SPIDEQ - A Prototype for Decision Making with Data Quality Metadata.</i> Ganesan Shankaranarayanan, Bin Zhu</li> <li>Paper 12. <i>A Technique for Incorporating Data Missing Not at Random (MNAR) into Bayesian Networks.</i> Valerie Sessions, Justin Grieves, Stanley Perrine</li> <li>Paper 13. <i>Data State Tracking: labelling good quality data to improve warehouse operations.</i> Philip Woodall, Vaggelis Giannikas, Wenrong Lu, Duncan McFarlane</li> <li>Paper 14. <i>A Model for Quality Defects Detection in Record Sequences and its Application for Obstetric Data in Electronic Medical Records.</i> Tal Aboudy, Yoav Brezinov, Adir Even, Edi Vaisbuch</li> </ul>
13:00 – 14:30	Lunch	Cafetería de Magisterio

<p>14:30 - 16:00</p> <p><b>Session 3</b></p>	<p><b>IQ Cases and Application Involving (1/2)</b>  <b>Sala Polivalente</b>  <i>Chair – Prof. Leo Pipino</i>  <i>Support – Jorge Merino</i></p> <ul style="list-style-type: none"> <li>• Paper 6 <i>Big Data, Data Loss and Observation Analysis</i>. Gerald Frizelle, Philip Woodall</li> <li>• Paper 7 <i>Data Quality Problems in ETL: The State of the Practice in Large Organisations</i>. Philip Woodall, Alexander Borek, Martin Oberhofer, Jing Gao</li> </ul>	<p><b>Methods, Concepts, and Tools for Information Quality (2/3)</b>  <b>Salón de Grados</b>  <i>Chair – Prof. Adriana Marotta</i>  <i>Support – Julio Moreno</i></p> <ul style="list-style-type: none"> <li>• Paper 15. <i>Towards a Theoretical Framework to Explain Root Causes of Errors in Manually Acquired Data</i>. Tom Haegemans, Monique Snoeck, Wilfried Lemahieu, Frank Stumpe, Antoon Goderis</li> <li>• Paper 16. <i>Towards a Precise Definition of Data Accuracy and a Justification for its Measure</i>. Tom Haegemans, Monique Snoeck, Wilfried Lemahieu</li> <li>• Paper 17. <i>Getting to Customer Dialog: An Architecture for Extending Data Governance to Customer Communications Management</i>. John Talburt, Salomon de Jager, Wynand Nortje, Fumiko Kobayashi, Leslie Culpepper</li> </ul>	
<p>16:00 - 16:30</p>	<p>Afternoon Break</p>		<p>Patio</p>
<p>16:30 - 18:00</p> <p><b>Session 4</b></p>	<p><b>IQ Cases and Application Involving (2/2)</b>  <b>Sala Polivalente</b>  <i>Chair – Prof. Yang Lee</i>  <i>Support – Bibiano Rivas</i></p> <ul style="list-style-type: none"> <li>• Paper 9. <i>A case study on assessing the organizational maturity of data management, data quality management and data governance by means of MAMD</i>. Ana G. Carretero, Alberto Freitas, Ricardo Correia, Mario Piattini</li> <li>• Paper 10. <i>Information Quality Challenges in Industry 4.0</i>. Nils Gruschka, Jens Luessem</li> </ul>	<p><b>Methods, Concepts, and Tools for Information Quality (3/3)</b>  <b>Salón de Grados</b>  <i>Chair – Prof. Ganesan Shankaranarayanan</i>  <i>Support – Andrés Manrique</i></p> <ul style="list-style-type: none"> <li>• Paper 18. <i>Data Quality Management in Web Warehouses using BPM</i>. Adriana Marotta, Andrea Delgado</li> <li>• Paper 19. <i>Developing a Data Quality Research Taxonomy – an organizational perspective</i>. Ahmad Khalilijafarabad, Markus Helfert, Mouzhi Ge</li> <li>• Paper 20. <i>Securing Databases Using Big Data Technology</i>. Julio Moreno, Manuel Serrano, Eduardo Fernández-Medina</li> </ul>	
<p>19:30 - 22:30</p>	<p>Tour Ciudad Real – Reception by Town Hall of Ciudad Real at Casa-Museo López-Villaseñor</p>		

Thursday – ICIQ (2/2) - June 23, 2016		
08:30 - 09:00	Morning Coffee & Registration	Hall of ESI
09:00 - 10:30 <b>Session 5</b>	<p><b>ICIQ Concerns Session (09:00 to 09:30)</b></p> <ul style="list-style-type: none"> <li>• Best Paper Award Prize – Prof. Mario Piattini</li> <li>• Introducing ICIQ 2017 – Prof. John Talburt</li> </ul> <p><b>Keynote Speech (09:30 to 10:30)</b></p> <ul style="list-style-type: none"> <li>• Prof. Carlo Batini, Università di Milano Bicocca- <i>"Data and information quality dimensions from Data to Big Data: how to equip for a complex journey"</i></li> </ul>	
10:30 - 11:00	Morning Break	Patio
11:00 - 13:00 <b>Session 6</b>	<p><b>Technologies for IQ Improvement and Assurance</b></p> <p><i>Chair – Prof. Raúl Ruggia</i></p> <p><i>Support – Jorge Merino</i></p> <ul style="list-style-type: none"> <li>• Paper 21. <i>Data Quality for Web Log Data Using a Hadoop Environment.</i> Qishan Yang, Markus Helfert</li> <li>• Paper 22. <i>Rewriting Data Cleaning Operations Defined at a Conceptual Level.</i> Ricardo Almeida, Paulo Oliveira, Joao Barroso</li> <li>• Paper 23. <i>Improving Data Quality by Leveraging Statistical Relational Learning.</i> Larysa Visengeriyeva</li> <li>• Paper 24. <i>A new design of ensemble classifiers for high-dimension entity resolution.</i> Cao Jianjun, Liu Yi, Diao Xingchun, Zhang Bin, Peng Cong</li> </ul>	Salón de Actos
13:00 - 14:00 <b>Session 7</b>	<p><b>Closing Session</b></p> <ul style="list-style-type: none"> <li>• <b>Invited Talk</b>– Yang Lee- <i>"Future Directions in Data Quality Research"</i></li> <li>• <b>Closing remarks</b> – Yang Lee and Ismael Caballero</li> </ul>	Salón de Actos
14:00 - 15:30	Lunch	Cafetería de Magisterio
15:30 - 18:00	Rest & Time for Networking	Several rooms at ESI
18:00 - 23:30	Tour in Almagro and Tablao Flamenco	Parador of Almagro

**Friday – Tour to Toledo - June 24, 2016**

08:30 - 08:45	Meeting at Hotel Doña Carlota
08:45 - 10:15	Trip to Toledo
10:15 - 13:30	Tour in Toledo
13:30 - 16:00	Lunch in Toledo
16:00 - 17:30	Trip Back to Ciudad Real

End of ICIQ 2016

