



**QMMQ 2014**

ER 2014  
Atlanta, GA U.S.A.  
27-30th October 2014

Quality of Models and Models of Quality

## Call for Papers

### First workshop Quality of Models and Models of Quality QMMQ

In conjunction with the

**33<sup>rd</sup> International Conference on Conceptual Modeling (ER2014)**

To be held in

**Atlanta, GA U.S.A. from 27-30 October 2014**

### Scope

Quality assurance has been and still is a very challenging issue within the Information Systems (IS) and Conceptual Modeling (CM) disciplines. This ongoing research encompasses theoretical aspects including quality definition and quality models, and practical/empirical aspects such as the development of methods, approaches and tools for quality measurement and improvement. Research can be general and conceptual in nature or focused on specific application domains, such as web application quality, data warehouse quality, requirements model quality, model transformations quality, etc.

Although research contributions are highly diverse and relevant, they are not adopted by practitioners as useful solutions to reach better developed solutions.

Nowadays, with the development of web technologies and the growth of collected and exploited data volumes (or to exploit), IS and CM communities are faced to new challenges. They have to envision new perspectives to the problem of evaluating quality in IS.

The [QMMQ workshop](#) intends to provide a space for fruitful exchanges involving both researchers and practitioners having a variety of interests such as: data quality, information quality, system quality as well as models, methods, processes and tools for managing quality. The aim of the workshop is twofold: firstly, to provide an opportunity for researchers and industry developers working on various aspects of information systems quality to exchange research ideas and results and discuss them; secondly, to promote research on information systems and conceptual model quality to the broader conceptual modeling research community attending ER 2014.

Data and information in general need to be of high quality to be valuable. However, this quality, to be ensured, requires reliable IS that can only be designed with a precise ontological commitment. Moreover, research on quality needs more contributions based on experimentation to provide empirical evidences of successful IS design. Empirical Software Engineering techniques and protocols should be followed in the CM modeling to provide reliable and useful results to assess IS quality.

### Topics of interest

- Quality constructs, models and ontologies
- Quality measures and instruments
- Experiments for validating quality models, measures and instruments
- Methodological issues of research on IS quality
- Method and tool support for improving and monitoring quality
- Quality of requirements engineering artifacts and processes

- Quality of models and meta-models
- Quality of ontologies and reference models
- Data quality
- Big data quality
- Quality modeling languages
- Ontological analysis of conceptual modeling grammars
- Cost/benefit analysis of quality assurance processes
- Quality assurance practices : case studies and experiences
- Experiments and case studies on quality evaluation.

### **Important dates**

Paper submission	02 May 2014
Author notification	02 June 2014
Camera-ready paper submission	02 July 2014
Workshop dates	27 October - 30 October 2014

### **Program Committee (to be completed)**