

ATGRC 2014 - Munich, September, 2014

**1st International Workshop on Advanced
Technologies for Governance Risk and Compliance,
hosted by**

**25th International Conference on Database and
Expert Systems Applications (DEXA'14)
www.dexa.org**

Call for papers

Governance, Risk and Compliance (GRC) Information Systems provide key functionalities - ranging from risk program management to regulatory monitoring and reporting - to different stakeholders within an enterprise. GRC is moving toward "a more integrated approach to ensure effective governance, manage risks and optimize performance while addressing compliance obligations throughout the enterprise" (OCEG GRC technology solution guide v2.1). New generation GRC Information Systems are expected to simplify and automate the consumption of Regulations, to create compliant business processes whose execution can be monitored using controls traceable back to the Regulations and to enable flexible Risk reporting over integrated data. State of the art Governance dashboards and user interfaces are key in increasing the adoption of this new generation of GRC information systems. Recent advances in Artificial Intelligence, in Databases and in Business Processes Modelling will take GRC to this next level. In particular, Semantic Technologies provide the required accuracy for formal Knowledge Representation and the flexibility for large data and process integration.

Hosted by the 25th International Conference on Database and Expert Systems Applications (DEXA 2014), the 1st International Workshop on Advanced Technologies for Governance Risk and Compliance is a forum bringing together researchers and practitioners working in GRC, semantic technologies and related areas. It is an opportunity to discuss current challenges and to assess state of the art technologies.

Relevant topics for submissions include, but are not limited to

Business vocabularies, Regulatory vocabularies, GRC Vocabularies
Regulatory ontologies, Risk ontologies, Enterprise Ontologies
Semantic Web technologies applied to Enterprise Information Systems
Rule-based systems
Semantics-based data access and data integration
Subject-Matter-Expert-Centric semantic systems
Business friendly ontology editing and visualization
Business friendly rule editing and visualization
Machine assisted vocabulary and rules extraction
Natural language processing for Ontology building/ population

Complex event detection and processing
Big data integration and federation
Big data analytics and data mining for GRC applications
Semantic models for legislation and regulation

Workshop Chairs

Tom Butler, GRC Technology Centre, University College Cork, Ireland
Elie Abi-Lahoud, GRC Technology Centre, University College Cork, Ireland

Organizing Committee Members

Marcus Spies, Ludwig-Maximilians Universität München, Germany
Paul Buitelaar, National University of Ireland, Galway, Ireland
Georgeta Bordea, National University of Ireland, Galway, Ireland
Amal ElGammal, GRC Technology Centre, University College Cork, Ireland
Leona O'Brien, GRC Technology Centre, University College Cork, Ireland

Paper Submission Details

Authors are invited to submit original, unpublished research and application papers that are not being considered in another forum. Two types of manuscripts will be considered: "**Full Papers**" that describe completed research which is "almost ready for prime time" and "**Research-in-Progress Papers**" that will highlight work still under development, proofs of concept and industry experiments. Please follow the IEEE Conference Publishing Services (CPS) Proceedings Author Guidelines to prepare your papers. The guidelines for authors can be found at IEEE Conference Publishing Services (CPS). *Full Papers* will be limited to 5 two-column pages (Conference Publishing Services (CPS) style) including figures and references. *Research-in-Progress Papers* will be limited to 3 two-column pages (Conference Publishing Services (CPS) style) including figures and references. Electronic submission of manuscripts (in PDF, postscript, or word format) is required using ConfDriver at <https://confdriver.ifs.tuwien.ac.at/dexa2014/>. At least one author of each accepted paper is required to attend the workshop and present the paper.

Publication

IEEE Conference Publishing Services (CPS) will publish Accepted Papers in the DEXA Workshops Proceedings 2014.

Important Dates

Submission Deadline: 2014 March 29th 12.00GMT
Notification of Acceptance: 2014 May 5th
Camera-ready Copies and Registration of Participation: Before 2014 May 31st
Workshop: One day to be confirmed during the week of September 1st -5th, 2014, in Munich, Germany

Programme Committee Members and other information available at:
<http://www.grctc.com/?q=node/38>