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From: DBKDA 2011 [invitation@iariaannounce.org]
Sent: Thursday, June 03, 2010 12:07 PM
To: chbussler@aol.com
Subject: 1st CfP: DBKDA 2011 || January 23-28, 2011 - St. Maarten, The Netherlands Antilles

INVITATION:

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Please consider to contribute to and/or forward to the appropriate groups the following opportunity to submit and publish original scientific results.

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===== DBKDA 2011 | Call for Papers =====

CALL FOR PAPERS, TUTORIALS, PANELS

DBKDA 2011: The Third International Conference on Advances in Databases, Knowledge, and Data Applications

January 23-28, 2011 - St. Maarten, The Netherlands Antilles

General page: <http://www.iaria.org/conferences2011/DBKDA11.html>

Call for Papers: <http://www.iaria.org/conferences2011/CfPDBKDA11.html>

Submission deadline: September 5, 2010

Sponsored by IARIA, www.iaria.org

Extended versions of selected papers will be published in IARIA Journals:
<http://www.iariajournals.org>

Please note the Poster Forum and Work in Progress options.

The topics suggested by the conference can be discussed in term of concepts, state of the art, research, standards, implementations, running experiments, applications, and industrial case studies. Authors are invited to submit complete unpublished papers, which are not under review in any other conference or journal in the following, but not limited to, topic areas.

All tracks are open to both research and industry contributions, in terms of Regular papers, Posters, Work in progress, Technical/marketing/business presentations, Demos, Tutorials, and Panels.

Before submission, please check and conform with the Editorial rules:
<http://www.iaria.org/editorialrules.html>

DBKDA 2011 Topics (topics and submission details: see CfP on the site)

Advances in fundamentals on databases

Foundations and architectures; Design features (data quality, performance, robustness,

scalability, security, privacy, parallel and distributed approaches, mobility, etc.); Data quality, data structures, and data modeling; Advanced indexing methods; Advanced ranking algorithms and uncertainty; Physical organization and performance; Federated choreographies; Temporal conformance; Evolutionary clustering and dynamic hierarchical clustering

Databases and other domains

Leading-edge database technology and applications; Heterogeneous databases interoperability and mediation; Databases and Web services; Databases and artificial intelligence; Databases and agents; Advances in database management systems; Advanced transaction and workflow management; Advances on XML and databases

Databases technologies

Self-managing databases; Mobile databases; Database access; Embedded databases; Very large scale databases; Spatial and spatio-temporal databases; Data warehousing; Multimedia databases; Semantic databases; Data integration resources on the Internet; Object-oriented databases; Web-based databases; Deductive and active databases

Databases content processing

Mining for complex data; Mining for text, video, and pictures; Knowledge discovery and classification; Process mining; Scalable data extraction; Query processing and optimization; Query rewrite rules; Navigational path expressions; Load-balancing in accessing distributed databases; Incompleteness, inconsistency, uncertainty; Storage and replication; Patterns and similarities in data streams; Fast matching; Multiple views

Knowledge and decision bases

Knowledge representation and management; Knowledge discovery (business intelligence); Semantic information; Ontology and advanced knowledge search; Heuristics and meta-heuristics; Intelligent knowledge querying; Feature sampling and feature selection; Context-aware knowledge base; Blogs and social relationship search; Deductive reasoning; Reasoning databases; Ontology-based reasoning

Specifics on application domains databases

Database applications in Life Sciences; Advanced database applications; Bioinformatics databases; Healthcare databases; Finance and marketing databases; Telecom databases; Geospatial databases; Census databases; Meteorological databases; Business intelligence databases; e-Business databases

XML-driven data, knowledge, databases

Data (dissemination, distributed, processing, management); XML-data (storage, exchange, compress, metadata); XML-data and metadata management; XML repositories; Knowledge discovery from XML repositories; XML-data processing (queries, indexing, management, retrieval, mining); XML data and knowledge (representation, discovery, mining, orchestration); XML-data in advances environments (clouds, P2P, multimedia, mobile, finance, biotechnologies, geospatial, space); XML-data and process (data warehouse, workflow, web, learning, control);

Data privacy

Privacy models; Privacy metrics; Privacy preservation; Watermarking; Data Hiding; Background knowledge; Privacy (data streams, social networks, databases, semantic web); Privacy mechanisms (cryptography, privacy-aware access control, generalization-based algorithm, perturbation-based algorithm, preservation, sequential releases); Practical studies (privacy leaking, privacy breach, threats to privacy, privacy in outsourcing)

Data quality and uncertainty

Models, frameworks, methodologies and metrics for data quality; Quality of complex data (documents, semi-structured data, XMLs, multimedia data, graphs, bio-sequences); Uncertain and noisy data; Uncertain data representation; Processing uncertain data

(querying, indexing, mining); Mining uncertain data (probabilistic, spatially- and temporally- uncertain, uncertain streams); Data lineage and provenance; Data profiling and measurement; Data integration, linkage and fusion; Duplicate detection and consistency checking; Data mining and data quality assessment; Quality methods and algorithms (data transformation, reconciliation, consolidation, extraction, cleansing); User perception on data quality and cleansing;

Data query, access, mining, and correlation

Data access technologies, Query optimisation, Discovering multi-modal correlations; Mining structural data from non-structural mixed-media documents; Data stream mining (frequent patterns, bursty event detection); Profile mining; Correlation and anomaly in multi-modal-data (social networks, web traffic logs, sale transactions); Information retrieval on a mixed collections; Multimedia data mining; Data mining system for medical multimedia data; Contents-based image/video retrieval systems

Data and process provenance

Provenance architectures and algorithms; Provenance modelling; Information management for provenance data; Provenance ontology and semantic; Provenance querying; Provenance annotation; Security, trust, and privacy for provenance information; Case studies and practice; Reasoning over provenance; Provenance analytics, mining and visualization

Data management

Distributed Query Languages; Query processing and optimization; Adaptive query processing; Management of mobile data; Managing data privacy and security; Data storage and management; Data stream systems; Data locating; Data warehouse management; Management of dynamic data; Workload adaptability; Transaction management; Performance evaluation and benchmarking or data management

Committee members will be announced soon.

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