I D E A S ' 12
(http://ideas.concordia.ca/ideas12)

16th International Database Engineering & Applications Symposium
Charles University, Prague, Czech Republic
August 8-10, 2012

CALL FOR PAPERS

The aim of the IDEAS series of symposiums is to address the engineering and application aspects of databases. IDEAS series of symposiums are scheduled annually and have been held since 1997 in North America, Europe and Asia and has attracted participants from governmental and non-governmental agencies,industries, and academia. IDEAS'12 invites quality papers describing original research and new findings on technological and theoretical aspects of database engineering and applications. In particular, we welcome submissions describing work on integrating new technologies into products and applications, on experiences with existing and novel techniques, and on the identification of unsolved challenges.

We consider this symposium to be an important forum to discuss experiences in applying databases to actual situations. Authors are invited to submit papers in English, reporting recent research in the area of databases, applications, experience in related fields. While research papers should report original research work, experience and application papers should describe the development and operations of challenging database related systems and applications.

The symposium plans to have focused sessions in the following areas:

- Core databases technology
- Performance and optimization
- Databases and XML
- Data models and languages
- Data quality, integration, exchange and warehousing
- Knowledge Discovery, Data and Process mining
- Databases for e-commerce, e-governance, and other e-applications
- Bio-medical, life science and medical databases
- Privacy, Social networks and security issues
- Semantic Web and Web 2.0 vs. databases
- P2P and Networked Data Management
- Stream Databases
- Data mining
- Emerging database technologies
- Performance and Evaluation
- Data Management for specific Domain

Detailed list of Topics for IDEAS

The scope of the conference includes but is not restricted to the following topics: Access Methods and Data Structures, Active Databases, Adapting DB Technology, Agents and Databases, Authorization and Database Security, Benchmarking and Performance, Bio-informatics/Life Sciences and Databases, Business Process Engineering and Execution Support, Concurrency Control and Recovery, Constraint Databases, Content Delivery Networks, Data Design, Evolution and Migration, Data Integration, Data Management in Computational Science, Data Mining, OLAP, and Knowledge Discovery, Data Models, Data Quality and Semantics, Data Stream Processing, Data Visualization, Data Warehousing, Database

Applications, Database Design and UML, Database Evolution and Migration, Database Performance, Database Programming Languages, Database Query Languages, Database Services and Applications, Databases and Electronic Commerce, Databases and Information Retrieval, Databases and Digital Libraries, Distributed and Parallel Databases, Electronic Commerce, Embedded and Mobile Databases, Engineering Information Systems, Enterprise Data Management, Financial Services Applications, Fuzzy, Probabilistic, and Approximate Data, Geographic Information Systems, Gnomic Databases, Government Applications, Interoperability of Heterogeneous and Federated DBMS, Humanities Applications, Image, Text, and Multimedia Databases, Information Filtering and Dissemination, Information Integration and Retrieval, Knowledge Base Management Systems, Logic and Databases, Medical Systems, Meta-data Management, Middleware Platforms for Data Management, Mobile Computing and Database Systems, Mobile Data Management, Model management and model engineering, Moving Object Databases, Multimedia Database Systems, Novel/Advanced Applications, Ontology Development for Database Applications, P2P and Networked Data Management, Parallel,Distributed, and Grid Databases, Peer-to-Peer Data Management, Performance Evaluation, Privacy and security in database, Profile-based Data Management, QoS, Query Processing, Optimization, Real Time Database Systems, Reliable and Robust Databases, Replication and Caching, Retail Systems, Scientific and Statistical Databases, Self-Managing Systems, Semantic Web and Databases, Semi-structured Databases and XML, Spatial, Temporal and Scientific Databases, Stream Databases, Telecommunications Applications, Tertiary Storage for Databases, Text Databases and Digital Libraries, Transactional Guarantees in Databases, Unique Experiences in Using DB Technology, User Interfaces and Visualization, View Management, Web Replication and Caching, Web Search and Navigation, Web Services and Web Service Composition, Work flow Management and Databases, XML Languages, Models, and Middleware.

Submissions Guidelines

Please prepare the paper for review in proportional font size of 11 or 12(Times Roman font or equivalent) with spacing of 1.5 lines in 1 column. The paper should be about 5000 words (15-20 pages). The upload to ConfSys should be in PDF format. Please do not use any special characters or foreign language fonts: however, if you need them, make sure to include these when generating the PDF file. Without embedded fonts, the reviewers may not be able to open such documents. Please observe the following:

FORM OF MANUSCRIPT

Manuscripts for review by the program committee should be formatted for one column, single sided letter size paper, with spacing of at least 1.5 lines with a 2.5cm margins on all sides. Number pages consecutively with the first page containing the title, the authors, the affiliation, a short abstract from 100 to 250 words, and five to ten key words. (Note: If the list of authors include a member of the program committee or if the authors wish a double blind review, you could omit the names of the authors etc. on the title page and indicate that it is to be reviewed "Double blind"). Also, indicate all the topics for the paper from the list of topics for the conference in ConfSys. Since these topics as well as the abstract will be used by ConfSys to help the program committee members choose appropriate papers, as well as in the session arrangement, it is essential to make them as indicative of the contents of the paper as possible. he format for the final version (camera ready version) would be communicated to authors of accepted papers.

STATEMENT OF EXCLUSIVE SUBMISSION

Submissions must be original. The work cannot have been published previously or be pending publication in another forum and submissions cannot be under review by any other forum. It is expected that all authors accept the following statement:

This paper (or a similar version) is not currently under review by a journal or conference, nor will it be submitted to such until the result of this review has been communicated. Furthermore, the author(s) agree to abide by the decision of the Program chairs and would participate in the meeting should the paper be accepted.

The author who submits a paper is expected to inform all co:authors of the submission and has their approval.

Authors should submit only manuscript(s) that have been carefully proofread and polished. Papers that are clearly unacceptable will be rejected by the program chair(s) or editor(s) without being reviewed.

Authors must clearly acknowledge the contributions of their predecessors.

Submissions will be evaluated on their originality and significance.

Though a group of authors may submit multiple papers to a conference, we expect that each paper would be presented by a separate co:author to allow for a wider point of view during the presentations and discussions.

The authors are expected to upload the paper in PDF format.

PDF format Guidelines

At a minimum, basic PDF distiller settings MUST be changed so PDF files are: optimized, set to Acrobat 4.0 compatibility, all graphics are set to at least 300 dpi resolution, ALL fonts used must be embeddable. Some font manufacturers now flag their fonts to not embed. These fonts should be avoided. Postscript settings SHOULD NOT override distiller settings and page size is 612.0 x 792.0 points (8.5" x 11"). Authors should check their final PDF files before submission to verify that all fonts have been properly embedded and subset. Please DO NOT USE type 1 (bit-mapped) fonts; they do not display correctly in most PDF readers. Please make sure to embed all fonts in your PDF file: consult the notes about embedding fonts.

Decision for a paper

The Program Chair(s) reserve(s) the right to consider any paper, to be accepted as a full paper or a short paper; in case of a physical meeting it could also be accepted as a poster to be presented in a poster or presented in a workshop session.

The decision of the Program Chair(s), as guided by the program committee, would be final. In the case of a physical meeting, one of the authors of each accepted paper is expected to present the paper in person.

IMPORTANT DATES

Paper submission deadline: May 14, 2012
Acceptance notice: July 2, 2012

Camera-ready copies due: July 30, 2012
Conference: August 8-10, 2012

SUBMISSION INSTRUCTIONS

The submission and all other paper related tasks are supported by the ConfSys and requires that all authors sign up for it at either at the secure site:

https://confsys.encs.concordia.ca/ConfSys

or the non-secure site.

http://confsys.encs.concordia.ca/ConfSys

The secure site requires your browser to accept our self signed security certificate. The details are given at:

http://confsys.encs.concordia.ca/SecurityCertificate.html

The conference proceedings will be published by ACM and BytePress. It would also be included in ACM's digital library.

ORGANIZATION

Organized by: Faculty of Mathematics and Physics of Charles University, Prague, Czech Republic, CSE & ENCS of Concordia University, with the cooperation of ACM, BytePress.org and ConfSys.org.

Program Co-Chairs:
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VENUE

The Symposium venue will be Faculty of Mathematics and Physics, Charles University, Prague, Czech Republic