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Alexander Markowetz
Assistant Professor / Juniorprofessor

Research Areas

Database Systems, Information Retrieval, Online Gaming Architectures

Education

2004 - 2008

Hong Kong University of Science and Technology
PhD Student
Adviser: Dimitris Papadias
Thesis: Keyword search on relational data
Passed course requirements and qualifying exams.
Defense Sept 26th 2008.

1996 – 2004

Philipps Universität Marburg, Germany
Diploma in Computer Science (~ Masters)
Thesis: Geographic Information Retrieval
Adviser: Bernhard Seeger, Co-Adviser: Torsten Suel

Research Experience

since 2004

Hong Kong University of Science and Technology
Research Assistant for Dimitris Papadias.

7/2005 – 8/2005

Polytechnic Institute of NYU, Brooklyn, NY
Visiting Researcher.
Host: Torsten Suel. Topic: Language usage on the Web.

4/2004 – 8/2004

Polytechnic Institute of NYU, Brooklyn, NY
Visiting Researcher.
Host: Torsten Suel. Topic: Geographic Information Retrieval.

2000 – 2004

Philipps Universität Marburg
Research Assistant for Bernhard Seeger.

8/2000 – 4/2001

University of California, Riverside
Visiting Researcher.
Host: Vassilis Tsotras. Topic: Temporal Aggregates.

Services

program committee member:

DBMan 2007, GIR 2008

reviews:

CIKM, EDBT, Geoinformatica, GIS, ICDE, ICDM, JCST,
KDD, SSDBM, SIGMOD, TKDE, VLDB, WWW

Publications

- A. Markowetz, Y. Yang, D. Papadias
Keyword Search over Relational Tables and Streams
TODS, to appear.
 - A. Markowetz, Y. Yang, D. Papadias
Reachability Indexes for Relational Keyword Search
ICDE, Shanghai, 2009.
 - D. Zhang, A. Markowetz, V. Tsotras, D. Gunopulos, B. Seeger
Temporal Aggregation with Range Predicates
Accepted at TODS, Dec 10th 2007, to be published.
 - A. Markowetz, Y. Yang, D. Papadias
Keyword Search on Relational Data Streams
SIGMOD, Beijing, 2007.
 - Y.Y. Chen, T. Suel, A. Markowetz
Efficient Query Processing in Geographic Web Search Engines
SIGMOD, Chicago, 2006.
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- A. Markowetz, Y.Y. Chen, T. Suel, X. Long, B. Seeger
Design and Implementation of a Geographic Search Engine
WebDB, Baltimore, 2005.
 - D. Zhang, A. Markowetz, V. Tsotras, D. Gunopulos, B. Seeger
Efficient Computation of Temporal Aggregates with Range Predicates
PODS, Santa Barbara, 2001.
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