



Alberto Trombetta

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Assistant Professor

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Biography

Ph.D. in Computer Science, University of Torino, Italy, 2001

Laurea in Computer Science, University of Milano, Italy, 1994

Qualifications and awards

Assistant Professor, Department of Computer Science and Communication, University of Insubria, Varese, Italy, December 2002 – present

Visiting Researcher, Department of Industrial Engineering, Technion, Haifa, Israel, Summer 2002

Post-doc, Department of Computer Science, University of Milan, Italy, 2001-2002

Research interests

Privacy and security in data management

Data integration

Query languages for semistructured data

Management of imprecise data

Teaching experience and appointments

TA of Information Theory and Cryptography, University of Milano: 1998, 1999

TA of Database Systems, University of Insubria: 2000, 2001

Database Systems, University of Insubria: 2002, 2003, 2004, 2005, 2006

Database Systems Laboratory, University of Insubria: 2002, 2003, 2004, 2005

Data Management, University of Insubria: 2003, 2004, 2005

Data Security, University of Insubria: 2006

Representative publications

International refereed journal papers

D. Mundici, A. Trombetta,

Optimal comparison strategies in Ulam's searching game with two errors.

Theoretical Computer Science}, 182(1-2):217-232, 1997

D. Montesi, A. Trombetta,

An Imprecision-based query language for the Web.

Journal of Visual Languages and Computing, 12(1):3-35,2001

E. Bertino, D. Montesi, A. Trombetta,
Workflow architecture for interactive video management systems.
Distributed and Parallel Databases, 11(1):33-51, 2001

A. Trombetta, D. Montesi, P. Dearnley,
A similarity based relational algebra for Web and multimedia data.
Information Processing and Management}, 39(2):307-322 2003

A. Gal, A. Trombetta, A. Anaby-Tavor, D. Montesi,
A framework for modeling and evaluating automatic semantic
reconciliation.
VLDB Journal, 14(1):50-67, 2005

A. Trombetta, D. Montesi
Equivalences and optimizations in an expressive XSLT subset.
Acta Informatica, accepted for publication

International refereed conference/workshop/symposium papers

D. Montesi, A. Trombetta,
An extraction language for the Web.
In Proc. of ACM CIKM Workshop on Internet Data Management.
Washington, US, November 1998

E. Bertino, D. Montesi, A. Trombetta,
Interactive video management systems.
Proc. of Conference on Computer Science and Information
Technologies.
Moscow, Russia, January 1999

D. Montesi, A. Trombetta,
Similarity search through fuzzy similarity algebra.
Proc. of IEEE DEXA Workshop on Similarity Search.
Firenze, Italy, September 1999

E. Bertino, D. Montesi, A. Trombetta,
Data, query and answer imprecision through fuzzy and presentation
algebras.
In Proc. Intl. Conf. on Fuzzy Set Theory and
Applications. Liptowsky Mikulas, Slovak Republic, January 2000

P. Ciaccia, D. Montesi, W. Penzo, A. Trombetta,
Imprecision and user preferences in multimedia queries:a generic
algebraic approach.
In Proc. of EATCS Conference on Foundations of Information and
Knowledge Systems. Burg, Germany, February 2000

E. Bertino, D. Montesi, A. Trombetta,
Fuzzy and presentation algebras for Web and multimedia data.
In Proc. IDEAS Conference. Yokohama, Japan, September 2000

D. Montesi, A. Trombetta, P. Dearnley,
A query language for user-defined Web restructurings.
In Proc. Intl. Conf. on Information Technology. Las Vegas, US, April

2001

A. Trombetta, D. Montesi,
Imprecision Based Queries Over Materialized and Virtual Integrated Views.

In Proc. ICEIS Conference, Angers, France, April 2003

A. Gal, A. Trombetta, A. Anaby-Tavor, D. Montesi
A Model for schema integration in heterogeneous databases.

In Proc. IDEAS Conference, Hong Kong, China, July 2003

A. Anaby-Tavor, A. Gal, A. Trombetta,
Evaluating matching algorithms: the monotonicity principle.

In Proc. II Web IJCAI Workshop, Cancun, Mexico, August 2003

Trombetta, D. Montesi,
Equivalences and optimizations in an expressive XSLT fragment,

In Proc. IDEAS Conference, Coimbra, Portugal, July 2004

M. Benini, A. Trombetta, M. Acquaviva,
A model for short-term content adaptation,

In Proc. Intl. World Wide Web Conference (poster session), Chiba, Japan, May 2005

M. Benini, A. Trombetta, M. Acquaviva,
Short-term content adaptation in web-based learning systems,
in Proc. IASTED Intl. Conf. on Web Technologies, Applications and Services, Calgary, Canada, July 2005

C. Ghiselli, L. Bozzato, A. Trombetta, E. Binaghi,
Semantic Web meets virtual museums; the Domus Naturae project,
in Proc. ICHIM05 Conference, Paris, France, September 2005

C. Ghiselli, L. Bozzato, A. Trombetta
Representation and management of ontologies in cultural heritage domains, in Proc. 2nd SWAP Italian Semantic Web Workshop, Trento, Italy, December 2005

A. Trombetta, E. Bertino,
Private updates to anonymous databases,
in Proc. Intl Conf. on Data Engineering (ICDE'06), Atlanta, US, April 2006